Ontario

Lake Huron Commercial Fishing Summary for 2011

Upper Great Lakes Management Unit
Lake Huron
Report TR-LHA-2012-01

Ministry of
Natural Resources

Ministère des
Richesses naturelles

Upper Great Lakes Management Unit
Lake Huron
Report TR-LHA-2012-01

Lake Huron Commercial Fishing Summary for 2011

Edited by: V. A. Lee

Ontario Ministry of Natural Resources
Upper Great Lakes Management Unit
Lake Huron

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INTRODUCTION

The commercial fishery in the Ontario waters of Lake Huron is managed by the Ontario Ministry of Natural Resources (OMNR), Upper Great Lakes Management Unit in cooperation with native and non-native commercial fishermen throughout the lake. In order to assist in describing and managing this fishery, this report on commercial fishing is produced annually to summarize the commercial fishing activity over the past year and provide a short historical record of commercial data.

Licensed commercial fishermen on Lake Huron are required to report effort, catch and harvest information on a daily basis. In addition, commercial fisheries operating under fishing agreements are required to report similar information to the OMNR on an annual basis. These data provide the basis for the summaries found in this report and are used in stock assessment analyses.

This report contains commercial summaries for the whole lake, for each of the three basins, and for individual Quota Management Areas (QMAs). It also contains commercial fishing statistics (harvest, effort, targeted CPUE, quota, % quota taken) for the major fish species in each of the QMAs for the period 1994 to 2011. In locations where more than one fishing gear was employed, results are given for each gear type used.

Commercial fishing activity on Lake Huron is regulated using Individual Transferable Quotas. This method allocates a maximum harvest for all quota-managed species to all licensed and controlled fisheries within a specified quota management area (Figure 1). The sum for all allocations is the total quota for a particular species in a QMA. Not all fish species in Lake Huron are quota managed. When these species are caught commercially, they are included in this report but with no associated quota value.

Every attempt has been made by to ensure the data presented in this report are complete. The Upper Great Lakes Management Unit continues to audit and update historical commercial fish information as required, which may result in changes to historical data previously presented. This report should be considered the most up to date and correct version when compared to previously published reports.

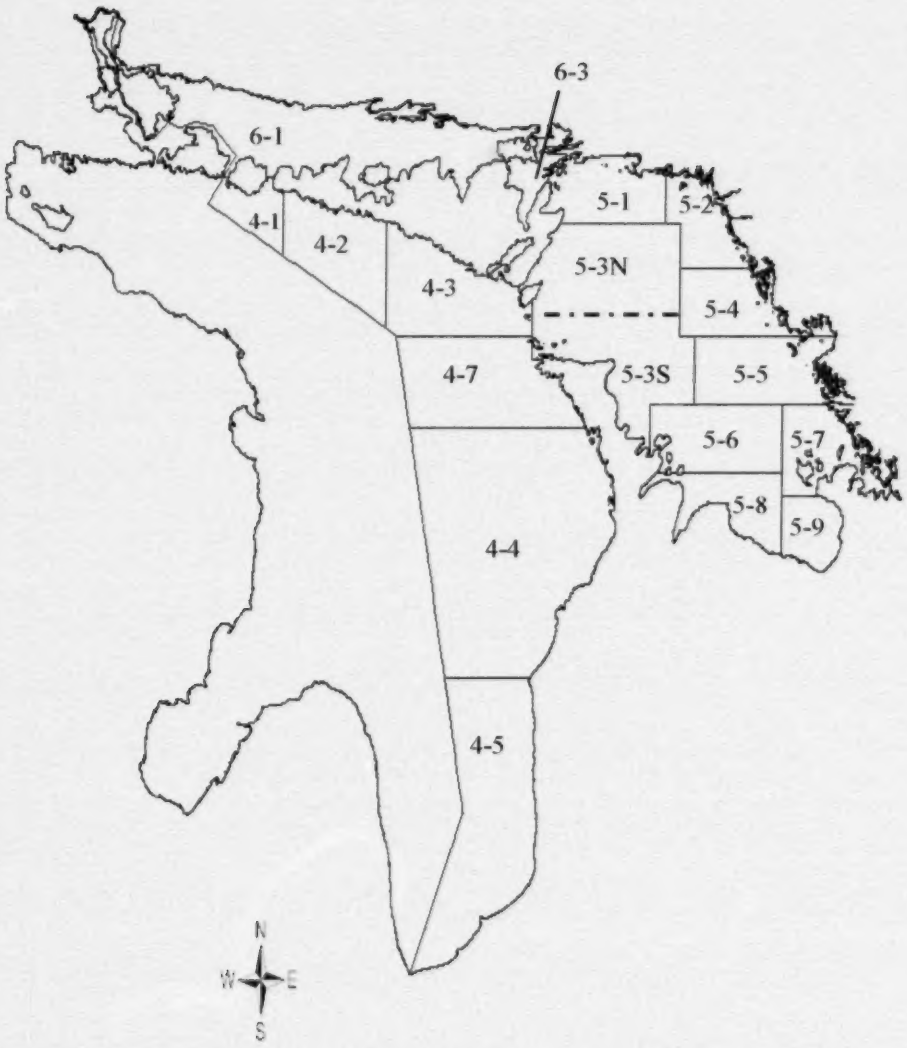

Figure 1. Quota Management Areas (QMAs) defined for managing commercial fish species in Lake Huron. Basins defined in this report include the Main Basin (4-1 to 4-7), Georgian Bay (5-1 to 5-9, and the North Channel (6-1 and 6-3).

DISCUSSION

The commercial fishery in Lake Huron in 2011 was comprised of 37 licensed commercial fisheries and 11 Aboriginal commercial fishing agreements. The majority of the fisheries continued to be gill net fisheries with 2 trap net fisheries, one in southern Lake Huron and the other in the northern main basin, off the south western shore of Manitoulin Island.

Commercial harvest in Lake Huron continued to be dominated by lake whitefish in 2011 (Table 1). Lake trout were the second highest component of the total harvest followed by yellow perch and then walleye. Lake herring (cisco) harvest decreased somewhat from 2010. Deepwater chub harvest continues to be non-existent, a trend that has been observed for a number of years. The total harvest from Lake Huron decreased slightly in 2011 from 2010, while the value of the landed catch actually increased slightly during the same time. The proportion of the total quota that was harvested was also down slightly in 2011.

GLOSSARY OF TERMS

Catch - the total weight of all fish captured in commercial fishing gear. This includes harvested fish as well as any fish that are reported released alive or discarded. The term "targeted catch" refers to catch data that are specific to fishing effort directed at a single species. Catch is derived from commercial fishers' catch reports and where necessary, from records of fish purchases by wholesalers.

CPUE - Catch Per Unit of Effort. For most species, CPUE equals targeted catch divided by targeted effort for that species using a single gear type (gill net or trap net). For lake trout, effort used included all targeted lake whitefish effort plus any lake trout targeted effort. For lake herring, only lake whitefish targeted effort that caught lake herring was used.

Effort - the amount of fishing gear deployed while targeting a specific species, expressed in kilometres of net for gill nets and number of net lifts for trap nets.

Harvest - the total weight of all fish that are landed and subsequently reconciled with the commercial quota. Harvest is derived from commercial fishermen's catch reports and where necessary from records of fish purchases by wholesalers.

Percent Quota Taken - the harvest expressed as a percentage of the quota.

Quota - the total allowable commercial harvest for a species within a quota management area in a given year. This is the sum of quota specified on issued commercial fishing licenses, allowed harvests under commercial fishing agreements, and any Crown held quota considered available to be harvested in a given year.

Value - the estimated dollar value of fish sold at the first point of sale (wholesale value). Value is derived from fish price information provided by the Ontario Commercial Fisheries Association (OCFA) and the harvest data.

LAKE HURON

Table 1. Catch, harvest, and quota data for all commercially caught fish species for all three basins of Lake Huron, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	3,625	582	66,327	0.9	680
Lake Herring	10,553	9,726	37,052	26.2	7,109
Deepwater Chub	8	0	277,491	0.0	0
Lake Trout	191,439	188,157	344,671	54.6	238,919
Lake Whitefish	1,613,284	1,608,258	2,920,892	55.1	4,187,758
Northern Pike	822	731	15,203	4.8	969
Walleye	82,515	81,272	148,703	54.7	453,202
Yellow Perch	183,748	183,721	270,708	67.9	899,272
Sub-Total	2,085,994	2,072,446	4,081,047		5,787,908
Alewife	0	0			0
Bigmouth Buffalo	29	29			0
Bowfin	4	0			0
Brown Trout	3	0			0
Burbot	11,130	96			0
Chinook Salmon	2,113	145			0
Common Carp	2,423	44			19
Freshwater Drum	7,520	213			90
Gizzard Shad	1,913	84			0
Lake Sturgeon	17,623	0			0
Lepomis sp.	4	0			0
Longnose Gar	21	1			0
Muskellunge	29	0			0
Pacific Salmon	10	0			0
Pink Salmon	3,675	212			0
Quillback	0	0			0
Rainbow Smelt	1,477	127			0
Rainbow Trout	520	123			0
Redhorse Suckers	1,376	373			0
Rock Bass	331	3			0
Round Goby	92	0			0
Round Whitefish	2,714	1,680			1,842
Sea Lamprey	338	335			0
Smallmouth Bass	130	0			0
Suckers	26,179	342			0
White Bass	896	564			908
White Perch	151	24			19
White Sucker	703	56			0
Total	2,167,397	2,076,898	4,081,047		5,790,785

LAKE HURON MAIN BASIN

Table 4.1. Catch, harvest, and quota data for all commercially caught fish species from the main basin of Lake Huron, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	3,541	541	56,259	1.0	680
Lake Herring	1,523	1,507	5,100	29.5	1,317
Deepwater Chub	7	0	142,182	0.0	0
Lake Trout	127,645	126,493	188,510	67.1	176,307
Lake Whitefish	1,046,090	1,044,582	1,949,354	53.6	2,778,100
Northern Pike	59	57	1,801	3.2	0
Walleye	72,167	71,056	126,308	56.3	399,447
Yellow Perch	182,044	182,020	216,386	84.1	890,850
Sub-Total	1,433,077	1,426,256	2,685,900		4,246,701
Bigmouth Buffalo	29	29			0
Brown Trout	1	0			0
Burbot	5,194	65			0
Chinook Salmon	816	0			0
Common Carp	391	0			0
Freshwater Drum	7,507	213			90
Gizzard Shad	1,754	84			0
Lake Sturgeon	9,526	0			0
Lepomis sp.	4	0			0
Muskellunge	29	0			0
Pink Salmon	0	0			0
Quillback	0	0			0
Rainbow Smelt	1,411	82			0
Rainbow Trout	15	0			0
Redhorse Suckers	583	373			0
Rock Bass	65	3			0
Round Goby	87	0			0
Round Whitefish	57	3			2
Sea Lamprey	90	89			0
Smallmouth Bass	1	0			0
Suckers	11,594	66			0
White Bass	697	564			908
White Perch	117	24			19
Total	1,473,045	1,427,851	2,685,900		4,247,720

MANAGEMENT AREA 4-1

Table 4-1.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-1, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	1,287	0.0	0
Lake Herring	51	45	200	22.5	35
Deepwater Chub	0	0	5,709	0.0	0
Lake Trout	14,031	13,513	16,348	82.7	14,002
Lake Whitefish	17,850	17,449	85,306	20.5	37,315
Northern Pike	0	0	0	–	0
Walleye	25	25	519	4.8	125
Yellow Perch	0	0	50	0.0	0
Sub-Total	31,956	31,033	109,419		51,477
Burbot	162	0			0
Chinook Salmon	33	0			0
Common Carp	43	0			0
Rainbow Smelt	0	0			0
Redhorse Suckers	17	0			0
Round Whitefish	36	2			2
Sea Lamprey	39	39			0
Suckers	352	0			0
Total	32,639	31,073	109,419		51,479

LAKE WHITEFISH

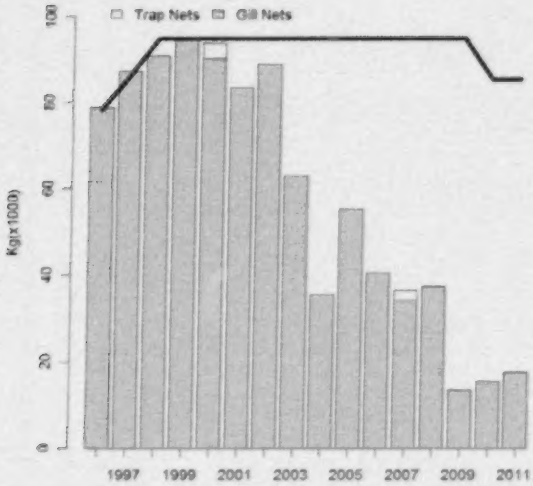

Figure 4-1.1. Lake whitefish quota (line) and harvest (bars) from management area 4-1.

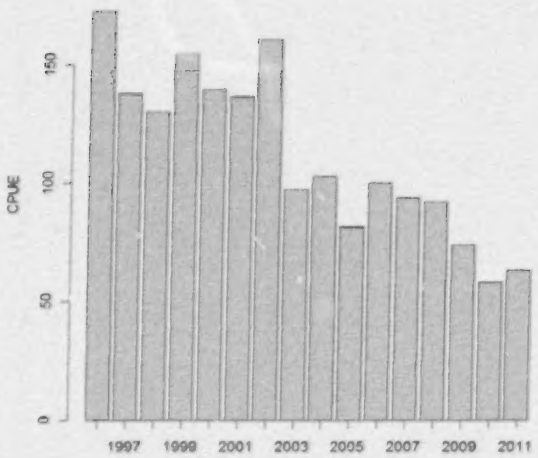

Figure 4-1.2. Lake whitefish gill net CPUE (kg/km) for management area 4-1.

Table 4-1.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	63092	571.3	110.4	64739	97.4
1995	71226	488.3	145.8	71213	100.0
1996	78824	453.5	173.1	78335	100.6
1997	87265	632.1	138.0	86168	101.2
1998	90780	697.5	130.4	94785	95.7
1999	94377	610.3	154.8	94785	99.5
2000	93864	645.1	139.5	94785	99.0
2001	83473	612.2	136.6	94785	88.0
2002	88782	552.2	160.9	94785	93.6
2003	62989	646.6	97.4	94785	66.4
2004	35485	346.4	102.9	94785	37.4
2005	55331	680.4	81.3	94785	58.3
2006	40637	406.7	99.9	94785	42.8
2007	36388	365.4	93.8	94785	38.3
2008	37432	405.3	92.3	94785	39.4
2009	13527	183.2	73.8	94785	14.2
2010	15379	256.3	57.9	85306	18.0
2011	17449	275.6	63.3	85306	20.4

CHUB

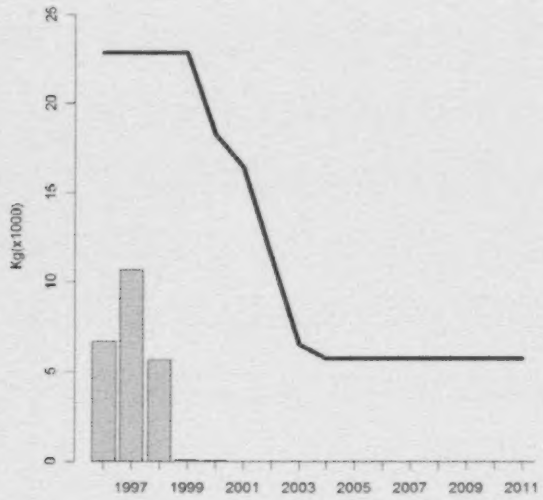

Figure 4-1.3. Chub quota (line) and harvest (bars) from management area 4-1.

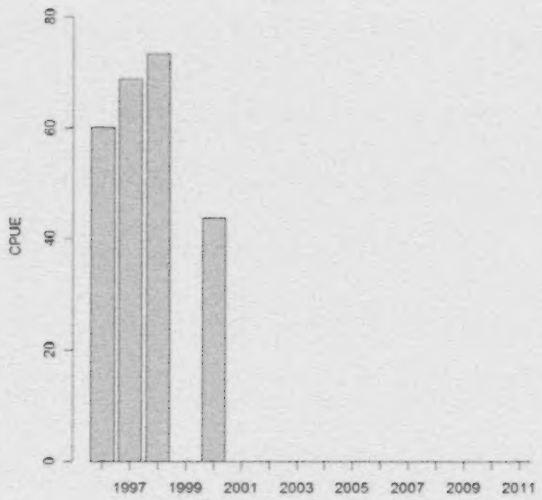

Figure 4-1.4. Chub gill net CPUE (kg/km) for management area 4-1.

Table 4-1.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	19341	283.9	68.0	22833	84.7
1995	1916	42.9	44.6	22833	8.3
1996	6677	111.0	60.1	22833	29.2
1997	10694	154.8	68.8	22833	46.8
1998	5674	75.4	73.5	22833	24.8
1999	62	0.0	0.0	22833	0.2
2000	47	1.0	47.9	18267	0.2
2001	0	0.0	0.0	16438	0.0
2002	0	0.0	0.0	11418	0.0
2003	0	0.0	0.0	6517	0.0
2004	0	0.0	0.0	5709	0.0
2005	0	0.0	0.0	5708	0.0
2006	0	0.0	0.0	5708	0.0
2007	0	0.0	0.0	5710	0.0
2008	0	0.0	0.0	5709	0.0
2009	0	0.0	0.0	5709	0.0
2010	0	0.0	0.0	5709	0.0
2011	0	0.0	0.0	5709	0.0

LAKE TROUT

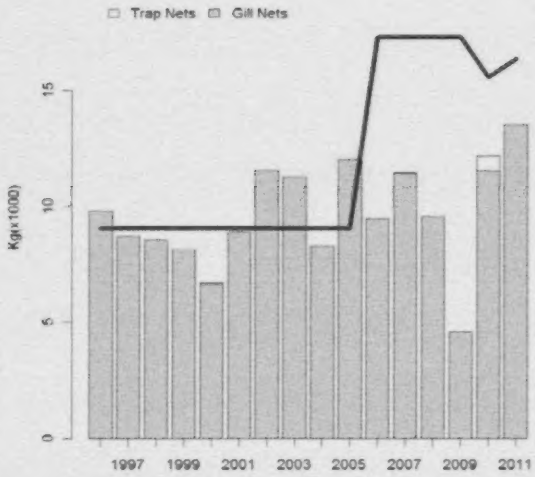

Figure 4-1.5. Lake trout quota (line) and harvest (bars) from management area 4-1.

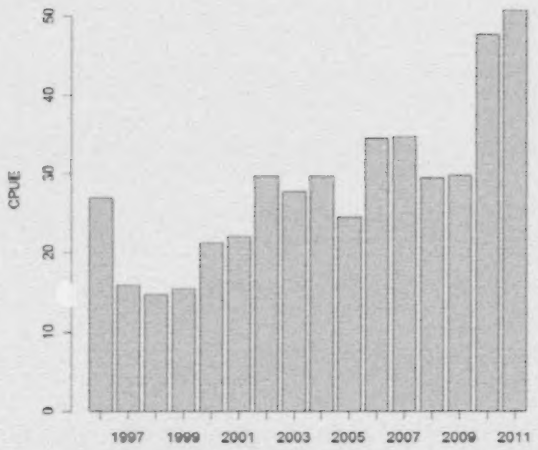

Figure 4-1.6. Lake trout gill net CPUE (kg/km) for management area 4-1.

Table 4-1.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 4-1, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	8994	21.5	5086	176.8
1995	7227	17.2	9017	80.1
1996	9793	26.9	9017	108.6
1997	8717	15.8	9017	96.6
1998	8537	14.7	9017	94.6
1999	8149	15.4	9017	90.3
2000	6708	21.2	9017	74.3
2001	8880	22.1	9017	98.4
2002	11553	29.6	9017	128.1
2003	11253	27.7	9017	124.8
2004	8278	29.6	9017	91.8
2005	12007	24.5	9017	133.1
2006	9461	34.5	17300	54.6
2007	11439	34.7	17300	66.1
2008	9574	29.5	17300	55.3
2009	4570	29.7	17300	26.4
2010	12174	47.7	15570	78.1
2011	13513	50.8	16348	82.6

MANAGEMENT AREA 4-2

Table 4-2.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-2, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	3,636	0.0	0
Lake Herring	148	148	600	24.7	114
Deepwater Chub	0	0	10,898	0.0	0
Lake Trout	15,877	15,850	19,730	80.3	16,424
Lake Whitefish	67,799	67,235	221,999	30.3	143,781
Northern Pike	0	0	129	0.0	0
Walleye	3	3	373	0.8	16
Yellow Perch	0	0	200	0.0	0
Sub-Total	83,828	83,237	257,565		160,335
Burbot	338	0			0
Freshwater Drum	9	9			0
Lake Sturgeon	14	0			0
Round Whitefish	11	0			0
Sea Lamprey	51	49			0
Suckers	120	1			0
Total	84,370	83,296	257,565		160,335

LAKE WHITEFISH

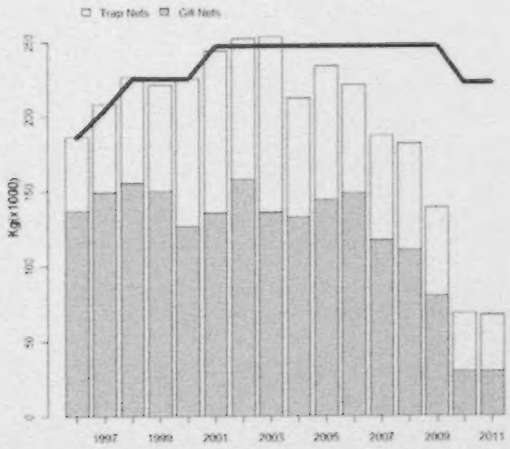

Figure 4-2.1. Lake whitefish quota (line) and harvest (bars) from management area 4-2.

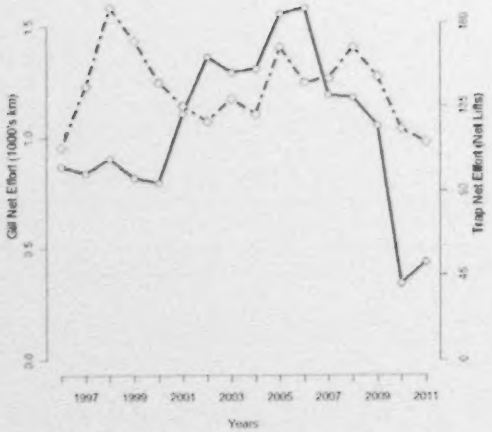

Figure 4-2.2. Lake whitefish effort for gill nets (solid line) and trap nets (dotted line) for management area 4-2.

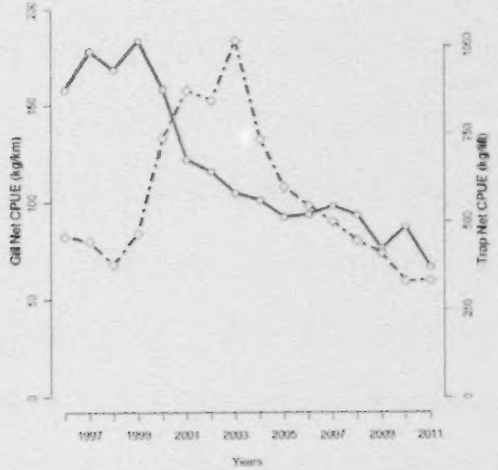

Figure 4-2.3. Lake whitefish gill net CPUE (solid line) and trap net CPUE (dotted line) for management area 4-2.

Table 4-2.2. Lake whitefish harvest, targeted effort, CPUE and quota data from quota management area 4-2, 1994 to 2011.

Year	Harvest(kg)			Effort		CPUE		Quota	Percent
	Gill	Trap	Total	Gill(km)	Trap(lifts)	Gill	Trap	(kg)	Taken
1994	109560	8605	118165	1203.3	80.0	91.0	154.0	153161	77.1
1995	130933	36503	167437	893.1	138.0	146.5	317.6	168477	99.3
1996	136896	49470	186366	866.3	113.0	158.0	456.6	185325	100.5
1997	148895	59143	208037	837.1	146.0	177.8	442.2	203858	102.0
1998	155314	71117	226431	904.7	188.0	168.5	376.6	224243	100.9
1999	149732	71219	220952	815.1	170.0	183.6	465.9	224243	98.5
2000	126105	98897	225002	795.9	148.0	158.4	736.9	224243	100.3
2001	134954	108469	243423	1106.6	135.0	121.9	873.3	246667	98.6
2002	157725	94395	252120	1364.2	127.0	115.6	845.2	246667	102.2
2003	135762	117779	253541	1295.1	139.0	104.8	1017.0	246667	102.7
2004	132388	79621	212009	1308.2	131.0	101.1	735.6	246667	85.9
2005	143874	89680	233554	1557.7	167.0	92.3	597.4	246667	94.6
2006	148630	72391	221021	1586.5	148.0	93.6	543.9	246667	89.6
2007	116676	70323	186998	1191.3	150.0	97.9	497.5	246667	75.8
2008	110450	71037	181487	1179.9	167.0	93.6	445.2	246667	73.5
2009	80049	58686	138735	1053.8	151.0	75.9	407.4	246667	56.2
2010	29759	38830	68589	340.6	123.0	87.3	329.0	221999	30.8
2011	29305	37931	67235	438.4	116.0	66.8	331.2	221999	30.2

CHUB

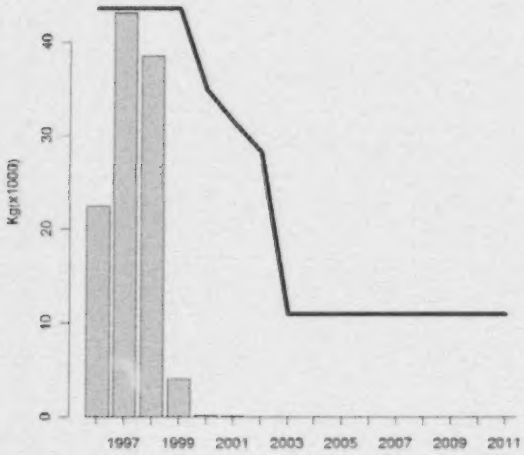

Figure 4-2.4. Chub quota (line) and harvest (bars) from management area 4-2.

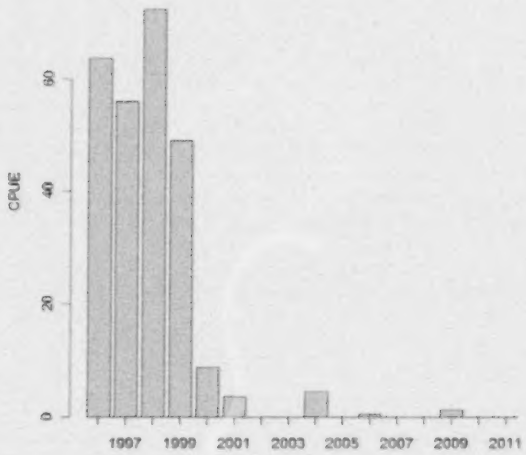

Figure 4-2.5. Chub gill net CPUE (kg/km) for management area 4-2.

Table 4-2.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-2, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	43459	641.7	67.7	43582	99.7
1995	23802	434.3	54.8	43582	54.6
1996	22428	352.6	63.6	43582	51.4
1997	43127	771.2	55.9	43582	98.9
1998	38518	531.7	72.4	43582	88.3
1999	4069	150.8	48.9	43582	9.3
2000	118	27.4	8.7	34866	0.3
2001	68	16.4	3.5	31379	0.2
2002	0	0.0	0.0	28242	0.0
2003	0	0.0	0.0	10897	0.0
2004	9	6.1	4.5	10898	0.0
2005	0	0.0	0.0	10897	0.0
2006	0	2.4	0.5	10897	0.0
2007	0	0.0	0.0	10898	0.0
2008	0	0.0	0.0	10898	0.0
2009	4	3.2	1.2	10898	0.0
2010	0	0.0	0.0	10898	0.0
2011	0	0.0	0.0	10898	0.0

LAKE TROUT

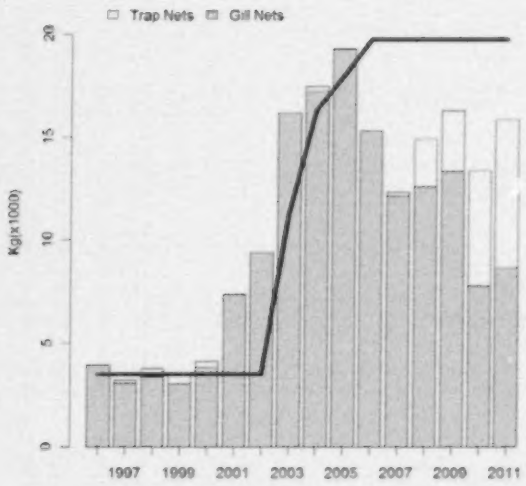

Figure 4-2.6. Lake trout quota (line) and harvest (bars) from management area 4-2.

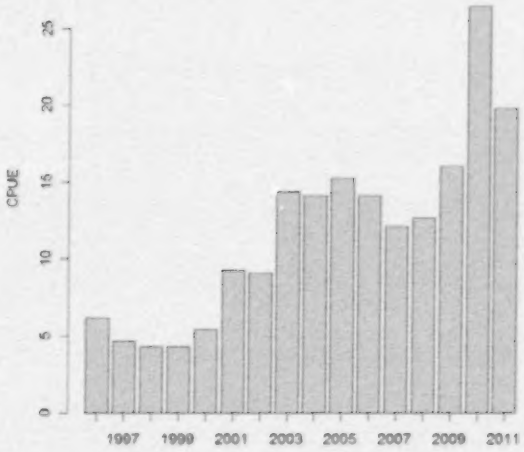

Figure 4-2.7. Lake trout gill net CPUE (kg/km) for management area 4-2.

Table 4-2.4. Lake trout harvest, targeted effort, CPUE and quota data from quota management area 4-2, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest(kg)			Effort	CPUE	Quota	Percent
	Gill	Trap	Total	Gill(km)	Gill	(kg)	Taken
1994	3381	190	3572	753.0	4.4	2078	171.8
1995	3176	223	3399	741.1	4.2	3489	97.4
1996	3944	3	3947	642.3	6.1	3489	113.1
1997	3066	153	3219	663.5	4.6	3489	92.2
1998	3393	369	3762	788.6	4.0	3489	107.8
1999	3040	485	3526	715.5	4.2	3489	101.0
2000	3837	296	4133	730.6	5.4	3489	118.4
2001	7346	15	7362	1038.6	9.1	3489	210.9
2002	9381	2	9383	1197.7	9.0	3489	268.9
2003	16160	0	16160	1238.4	14.3	11307	142.9
2004	17246	211	17456	1300.8	14.0	16307	107.0
2005	19279	5	19284	1487.4	15.2	17937	107.5
2006	15311	0	15311	1554.8	14.1	19730	77.6
2007	12132	205	12338	1157.5	12.1	19730	62.5
2008	12576	2333	14909	1160.4	12.6	19730	75.5
2009	13318	2965	16283	1038.3	16.0	19730	82.5
2010	7775	5580	13355	340.6	26.4	19730	67.6
2011	8645	7205	15850	438.4	19.7	19730	80.3

MANAGEMENT AREA 4-3

Table 4-3.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-3, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	1	0	4,381	0.0	0
Lake Herring	150	147	1,100	13.4	114
Deepwater Chub	0	0	9,276	0.0	0
Lake Trout	7,980	7,912	21,715	36.4	8,198
Lake Whitefish	45,535	45,519	166,694	27.3	97,342
Northern Pike	0	0	827	0.0	0
Walleye	0	0	650	0.0	0
Yellow Perch	0	0	1,735	0.0	0
Sub-Total	53,666	53,578	206,378		105,654
Burbot	391	0			0
Chinook Salmon	18	0			0
Gizzard Shad	0	0			0
Lake Sturgeon	9	0			0
Round Whitefish	8	0			0
Sea Lamprey	1	1			0
Suckers	667	0			0
Total	54,760	53,579	206,378		105,654

LAKE WHITEFISH

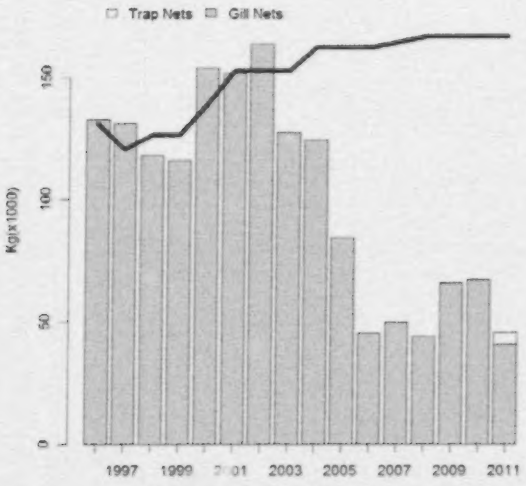

Figure 4-3.1. Lake whitefish quota (line) and harvest (bars) from management area 4-3.

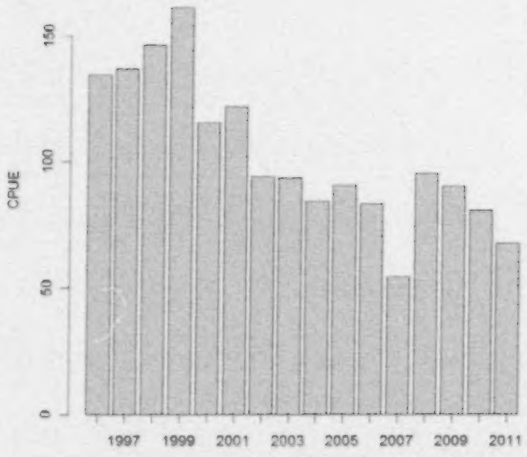

Figure 4-3.2. Lake whitefish gill net CPUE (kg/km) for management area 4-3.

Table 4-3.2. Lake whitefish harvest, targeted effort, CPUE and quota data from quota management area 4-3, 1994 to 2011.

Year	Harvest(kg)			Effort		CPUE		Quota	Percent
	Gill	Trap	Total	Gill(km)	Trap(lifts)	Gill	Trap	(kg)	Taken
1994	119563	0	119563	1046.2	0.0	114.0	0.0	119214	100.2
1995	122469	0	122469	902.6	0.0	135.6	0.0	119214	102.7
1996	132837	0	132837	955.5	0.0	134.3	0.0	131137	101.2
1997	131175	0	131175	956.5	0.0	136.7	0.0	120611	108.7
1998	118148	0	118148	796.7	0.0	146.2	0.0	126190	93.6
1999	116226	0	116226	720.0	0.0	161.4	0.0	126190	92.1
2000	153962	0	153962	1333.2	0.0	115.4	0.0	138808	110.9
2001	151778	0	151778	1181.2	0.0	122.0	0.0	152684	99.4
2002	163951	0	163951	1744.1	0.0	94.0	0.0	152684	107.3
2003	127326	0	127326	1339.6	0.0	93.4	0.0	152684	83.3
2004	124419	0	124419	1477.0	0.0	84.2	0.0	162346	76.6
2005	84166	0	84166	926.3	0.0	90.8	0.0	162346	51.8
2006	45324	0	45324	544.7	0.0	83.2	0.0	162346	27.9
2007	49605	0	49605	911.7	0.0	54.4	0.0	164346	30.1
2008	44119	0	44119	462.8	0.0	95.3	0.0	166694	26.4
2009	65728	0	65728	728.1	0.0	90.2	0.0	166694	39.4
2010	67207	0	67207	834.2	0.0	80.5	0.0	166694	40.3
2011	40721	4799	45519	601.7	12.0	67.6	401.2	166694	27.3

CHUB

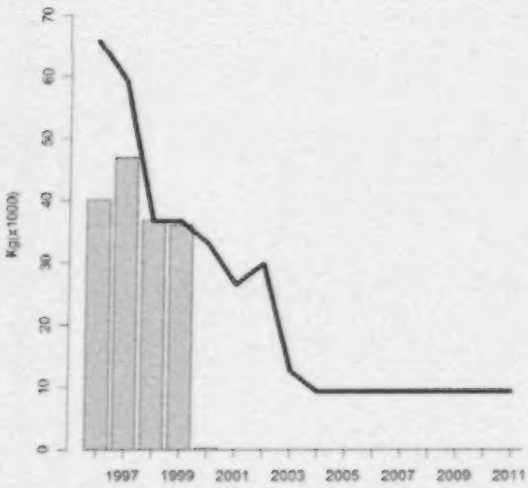

Figure 4-3.3. Chub quota (line) and harvest (bars) from management area 4-3.

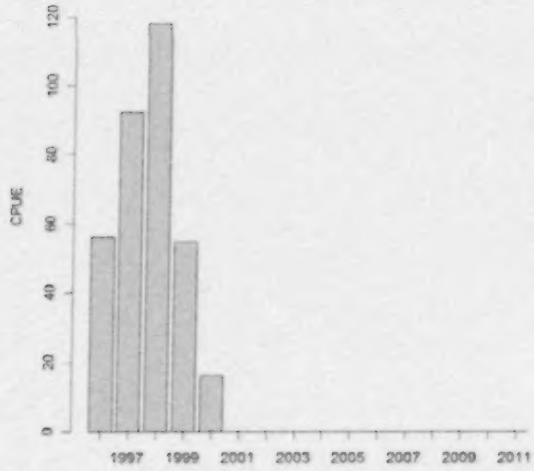

Figure 4-3.4. Chub gill net CPUE (kg/km) for management area 4-3.

Table 4-3.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-3, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	63499	750.1	84.4	65751	96.5
1995	46447	641.6	72.3	65751	70.6
1996	40071	714.7	56.0	65751	60.9
1997	46865	508.2	92.2	59177	79.1
1998	36747	310.8	118.2	36727	100.0
1999	36067	816.1	54.8	36727	98.2
2000	295	47.5	16.2	33054	0.8
2001	0	0.0	0.0	26443	0.0
2002	0	0.0	0.0	29749	0.0
2003	0	0.0	0.0	12574	0.0
2004	0	0.0	0.0	9276	0.0
2005	0	0.0	0.0	9276	0.0
2006	0	0.0	0.0	9276	0.0
2007	0	0.0	0.0	9276	0.0
2008	0	0.0	0.0	9276	0.0
2009	0	0.0	0.0	9276	0.0
2010	0	0.0	0.0	9276	0.0
2011	0	0.0	0.0	9276	0.0

LAKE TROUT

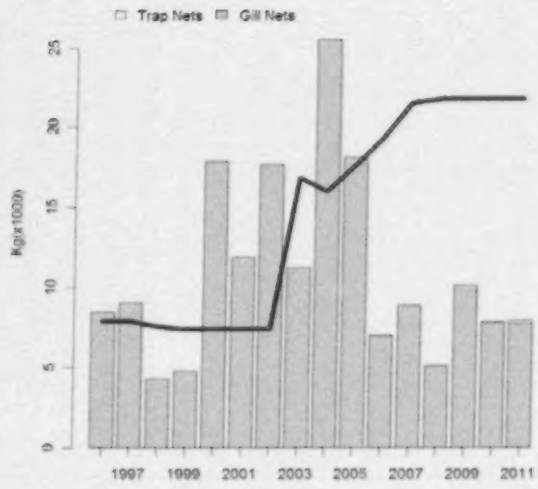

Figure 4-3.5. Lake trout quota (line) and harvest (bars) from management area 4-3.

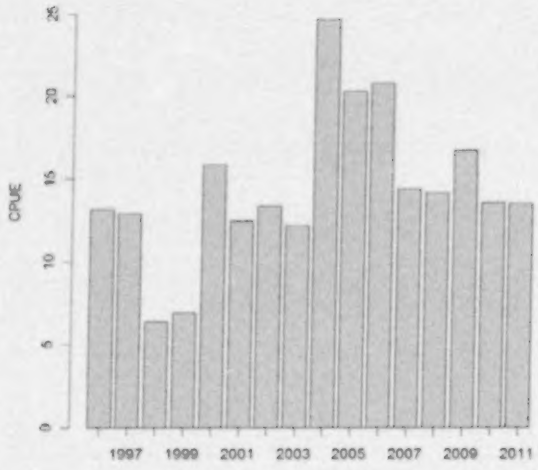

Figure 4-3.6. Lake trout gill net CPUE (kg/km) for management area 4-3.

Table 4-3.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 4-3, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	6336	8.2	9663	65.5
1995	7386	10.9	7865	93.9
1996	8430	13.1	7869	107.1
1997	9011	12.8	7869	114.5
1998	4287	6.4	7509	57.0
1999	4772	6.9	7356	64.8
2000	17833	15.8	7356	242.4
2001	11862	12.4	7356	161.2
2002	17620	13.3	7356	239.5
2003	11199	12.1	16787	66.7
2004	25550	24.7	15951	160.1
2005	18078	20.2	17536	103.0
2006	6984	20.7	19290	36.2
2007	8871	14.3	21502	41.2
2008	5086	14.1	21715	23.4
2009	10094	16.6	21715	46.4
2010	7812	13.5	21715	35.9
2011	7911	13.4	21715	36.4

MANAGEMENT AREA 4-4

Table 4-4.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-4, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	41	41	0	–	51
Lake Herring	859	859	500	171.8	776
Deepwater Chub	0	0	64,632	0.0	0
Lake Trout	8,834	8,834	7,998	110.5	13,633
Lake Whitefish	168,388	168,388	243,667	69.1	460,327
Northern Pike	57	57	393	14.5	0
Walleye	251	251	742	33.8	1,411
Yellow Perch	1,531	1,531	9,372	16.3	7,495
Sub-Total	179,961	179,961	327,304		483,693
Pink Salmon	0	0			0
Round Whitefish	2	2			0
Smallmouth Bass	0	0			0
Total	179,963	179,963	327,304		483,693

LAKE WHITEFISH

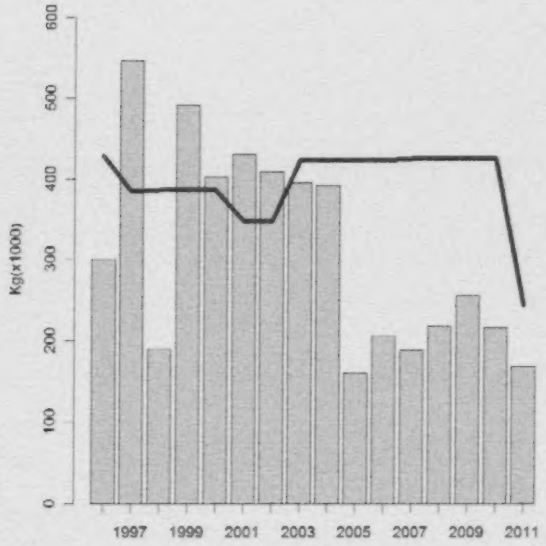

Figure 4-4.1. Lake whitefish quota (line) and harvest (bars) from management area 4-4.

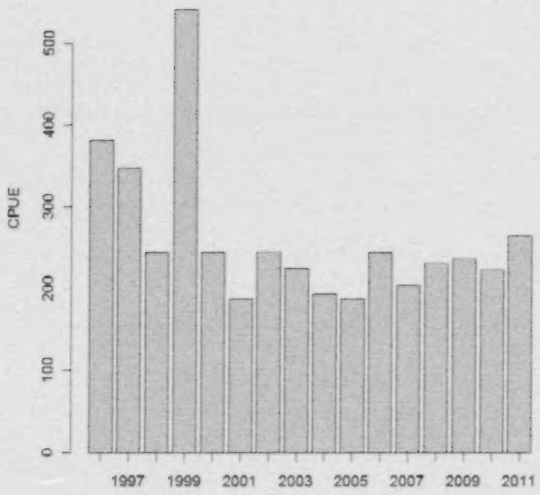

Figure 4-4.2. Lake whitefish gill net CPUE (kg/km) for management area 4-4.

Table 4-4.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-4, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	354891	836.5	424.1	359923	98.6
1995	299624	958.3	312.5	428716	69.8
1996	300128	703.1	381.6	428716	70.0
1997	546627	920.6	346.6	384845	142.0
1998	190209	778.6	244.2	385845	49.2
1999	490878	220.4	542.5	385845	127.2
2000	402133	765.4	243.9	385845	104.2
2001	429687	1789.6	187.5	347261	123.7
2002	408167	1650.8	244.9	347261	117.5
2003	395019	1755.3	224.6	423216	93.3
2004	392067	2019.6	193.7	423216	92.6
2005	160282	857.5	187.0	423216	37.8
2006	206709	836.5	243.8	423216	48.8
2007	188868	919.7	204.1	424368	44.5
2008	218052	925.9	231.5	424368	51.3
2009	256120	1080.5	237.0	424368	60.3
2010	216440	969.3	223.2	424368	51.0
2011	168388	635.8	264.8	243667	69.1

CHUB

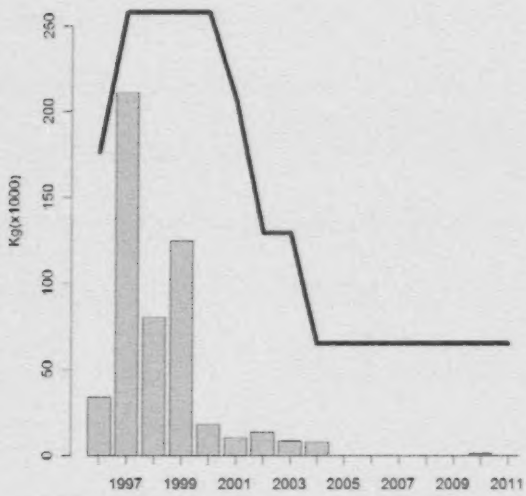

Figure 4-4.3. Chub quota (line) and harvest (bars) from management area 4-4.

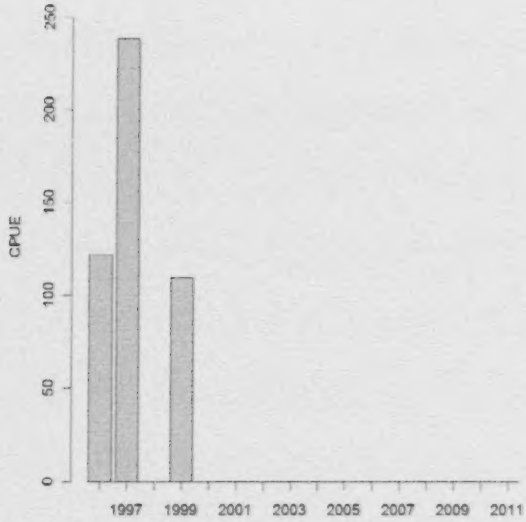

Figure 4-4.4. Chub gill net CPUE (kg/km) for management area 4-4.

Table 4-4.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-4, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	138152	902.3	153.0	185347	74.5
1995	100013	846.3	114.1	199406	50.1
1996	33851	254.1	121.7	176254	19.2
1997	211326	78.5	238.7	258173	81.8
1998	80363	0.0	0.0	258173	31.1
1999	124753	16.4	109.7	258173	48.3
2000	18107	0.0	0.0	258173	7.0
2001	10591	0.0	0.0	206538	5.1
2002	13588	0.0	0.0	129265	10.5
2003	8382	0.0	0.0	129265	6.4
2004	7970	0.0	0.0	64632	12.3
2005	0	0.0	0.0	64632	0.0
2006	0	0.0	0.0	64632	0.0
2007	0	0.0	0.0	64632	0.0
2008	0	0.0	0.0	64632	0.0
2009	0	0.0	0.0	64632	0.0
2010	1086	0.0	0.0	64632	1.6
2011	0	0.0	0.0	64632	0.0

YELLOW PERCH

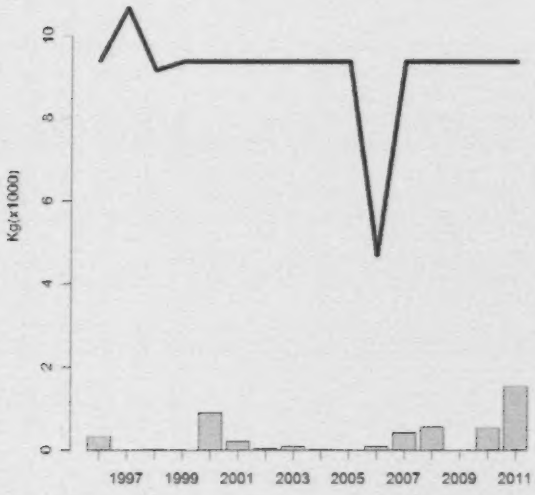

Figure 4-4.5. Yellow perch quota (line) and harvest (bars) from management area 4-4.

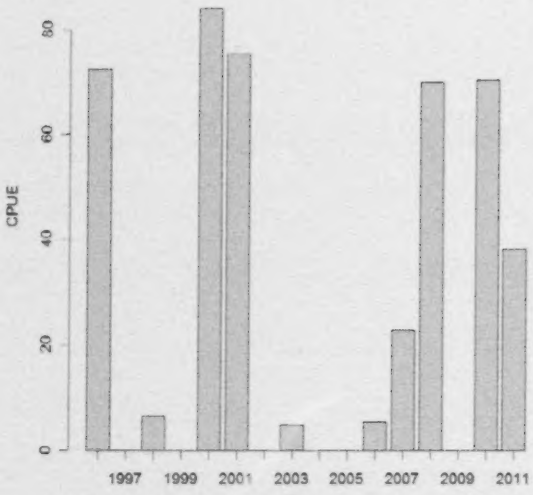

Figure 4-4.6. Yellow perch gill net CPUE (kg/km) for management area 4-4.

Table 4-4.4. Yellow perch harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-4, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	2377	66.2	35.1	7877	30.1
1995	4	1.4	0.0	6301	0.0
1996	332	4.5	73.5	9387	3.5
1997	1	0.0	0.0	10687	0.0
1998	11	1.8	6.6	9164	0.1
1999	0	0.0	0.0	9372	0.0
2000	884	10.5	84.2	9372	9.4
2001	206	2.7	76.6	9372	2.2
2002	39	0.0	0.0	9372	0.4
2003	80	4.1	4.8	9372	0.8
2004	22	0.0	0.0	9372	0.2
2005	0	0.0	0.0	9372	0.0
2006	92	11.4	5.4	4686	1.9
2007	423	8.8	22.8	9372	4.5
2008	567	4.5	71.0	9372	6.0
2009	0	0.0	0.0	9372	0.0
2010	549	1.4	73.5	9372	5.8
2011	1531	26.2	38.1	9372	16.3

LAKE TROUT

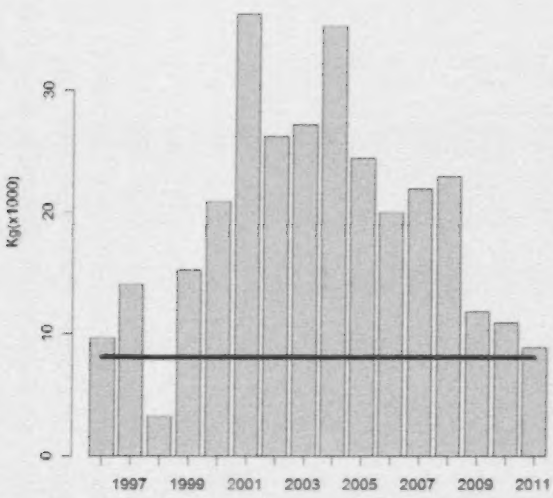

Figure 4-4.7. Lake trout quota (line) and harvest (bars) from management area 4-4.

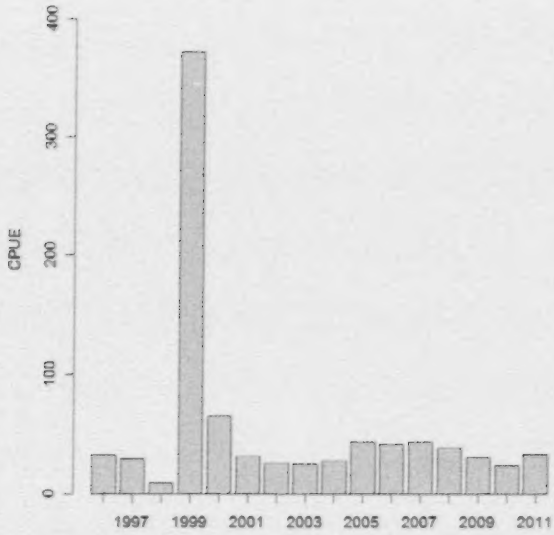

Figure 4-4.8. Lake trout gill net CPUE (kg/km) for management area 4-4.

Table 4-4.5. Lake trout harvest, CPUE and quota data from gill nets in quota management area 4-4, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	7771	17.6	4889	158.9
1995	11182	22.6	8093	138.1
1996	9700	32.1	8093	119.8
1997	14078	29.4	8093	173.9
1998	3257	9.4	7998	40.7
1999	15242	372.0	7998	190.5
2000	20894	65.2	7998	261.2
2001	36343	31.8	7998	454.4
2002	26208	26.3	7998	327.6
2003	27140	25.0	7998	339.3
2004	35353	28.2	7998	442.0
2005	24413	42.9	7998	305.2
2006	19997	41.2	7998	250.0
2007	21887	43.0	7998	273.6
2008	22899	38.7	7998	286.3
2009	11826	30.6	7998	147.8
2010	10857	23.6	7998	135.7
2011	8833	33.1	7998	110.4

MANAGEMENT AREA 4-5

Table 4-5.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-5, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	3,455	456	46,955	1.0	573
Lake Herring	7	0	2,650	0.0	0
Deepwater Chub	7	0	36,879	0.0	0
Lake Trout	79,088	78,549	121,790	64.5	121,219
Lake Whitefish	736,548	736,019	1,183,068	62.2	2,012,076
Northern Pike	2	0	227	0.0	0
Walleye	71,613	70,502	123,599	57.0	396,349
Yellow Perch	180,513	180,488	204,147	88.4	883,355
Sub-Total	1,071,232	1,066,014	1,719,315		3,413,572
Bigmouth Buffalo	29	29			0
Brown Trout	1	0			0
Burbot	4,304	65			0
Chinook Salmon	765	0			0
Common Carp	347	0			0
Freshwater Drum	7,498	204			90
Gizzard Shad	1,753	84			0
Lake Sturgeon	9,503	0			0
Lepomis sp.	4	0			0
Muskellunge	29	0			0
Quillback	0	0			0
Rainbow Smelt	1,411	82			0
Rainbow Trout	15	0			0
Redhorse Suckers	566	373			0
Rock Bass	65	3			0
Round Goby	87	0			0
Smallmouth Bass	0	0			0
Suckers	10,454	64			0
White Bass	697	564			908
White Perch	117	24			19
Total	1,108,880	1,067,507	1,719,315		3,414,589

LAKE WHITEFISH

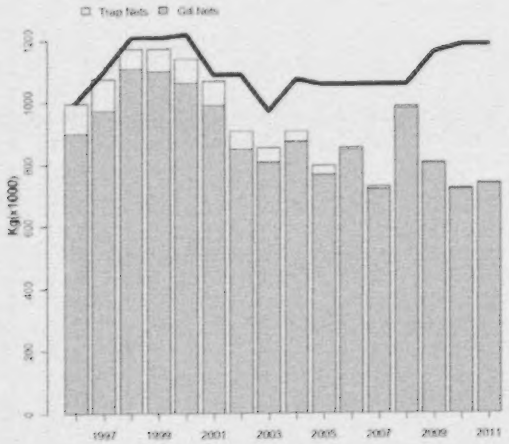

Figure 4-5.1. Lake whitefish quota (line) and harvest (bars) from management area 4-5.

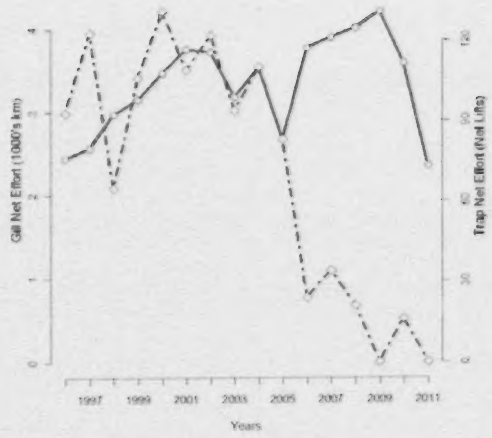

Figure 4-5.2. Lake whitefish effort for gill nets (solid line) and trap nets (dotted line) for management area 4-5.

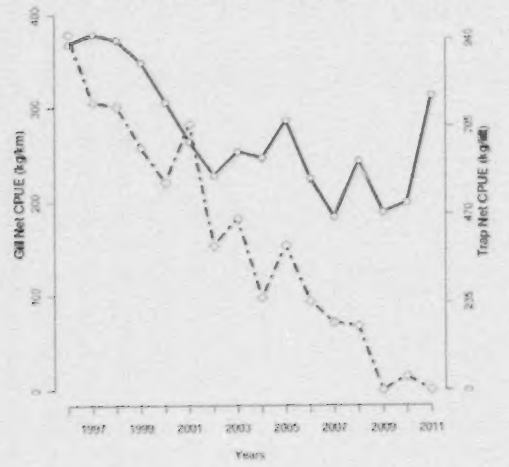

Figure 4-5.3. Lake whitefish gill net CPUE (solid line) and trap net CPUE (dotted line) for management area 4-5 (no trap nets in 2009).

Table 4-5.2. Lake whitefish harvest, targeted effort, CPUE and quota data from quota management area 4-5, 1994 to 2011.

Year	Harvest(kg)			Effort		CPUE		Quota	Percent
	Gill	Trap	Total	Gill(km)	Trap(lifts)	Gill	Trap	(kg)	Taken
1994	632418	104350	736769	1883.9	195.0	334.3	618.8	906885	81.2
1995	808073	78755	886828	2646.1	111.0	302.5	702.7	906885	97.7
1996	899818	95704	995521	2432.4	93.0	367.4	953.1	997575	99.7
1997	973041	100735	1073777	2563.1	123.0	378.6	770.6	1097331	97.8
1998	1109171	63271	1172442	2966.7	65.0	372.2	759.1	1207877	97.0
1999	1100328	73450	1173778	3144.9	106.0	348.1	646.9	1207068	97.2
2000	1062717	77248	1139965	3460.8	131.0	306.2	555.5	1218707	93.5
2001	989794	78872	1068666	3749.0	109.0	263.5	710.1	1086370	98.3
2002	848880	55975	904855	3722.0	122.0	227.9	385.9	1086370	83.2
2003	805679	47276	852954	3176.9	94.0	252.8	458.3	969662	87.9
2004	871814	33540	905354	3528.2	110.0	246.5	247.4	1072824	84.3
2005	764253	30331	794584	2666.4	83.0	285.8	385.7	1054822	75.3
2006	845277	6343	851620	3766.5	24.0	224.1	235.1	1054822	80.7
2007	717051	8422	725473	3897.4	34.0	183.5	180.1	1054822	68.7
2008	977608	7335	984943	4006.6	21.0	242.5	171.6	1054821	93.3
2009	798813	4448	803261	4208.6	0.0	188.4	0.0	1160304	69.2
2010	717323	1796	719118	3581.9	16.0	198.6	35.3	1183068	60.7
2011	733630	2389	736019	2345.0	0.0	312.3	0.0	1183068	62.2

CHUB

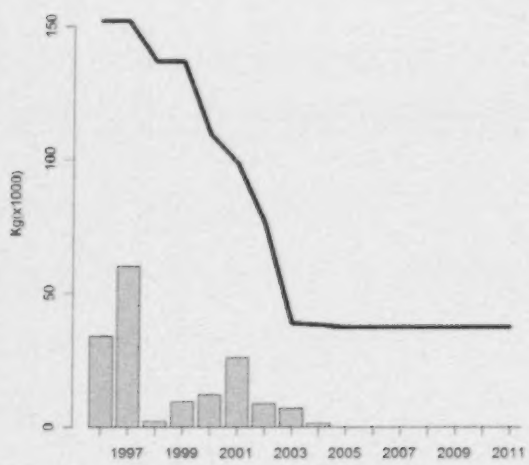

Figure 4-5.4. Chub quota (line) and harvest (bars) from management area 4-5.

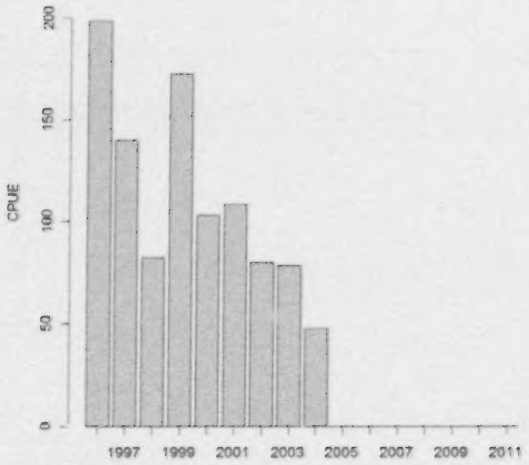

Figure 4-5.5. Chub gill net CPUE (kg/km) for management area 4-5.

Table 4-5.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-5, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	27400	256.8	103.5	151722	18.0
1995	28133	155.4	180.4	151722	18.5
1996	33732	149.5	198.7	151722	22.2
1997	59769	420.5	139.8	151722	39.3
1998	2286	25.7	82.6	136549	1.6
1999	9358	53.4	172.6	136549	6.8
2000	11996	116.1	103.2	109240	10.9
2001	25710	237.0	108.4	98314	26.1
2002	8569	106.8	80.0	75873	11.2
2003	7063	89.7	78.4	38828	18.1
2004	1491	30.7	47.7	37933	3.9
2005	0	0.0	0.0	36876	0.0
2006	0	0.0	0.0	36879	0.0
2007	0	0.0	0.0	36883	0.0
2008	0	0.0	0.0	36879	0.0
2009	0	0.0	0.0	36879	0.0
2010	0	0.0	0.0	36881	0.0
2011	0	0.0	0.0	36879	0.0

YELLOW PERCH

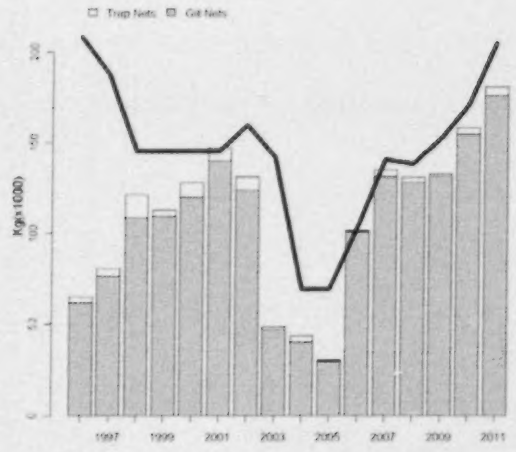

Figure 4-5.6. Yellow perch quota (line) and harvest (bars) from management area 4-5.

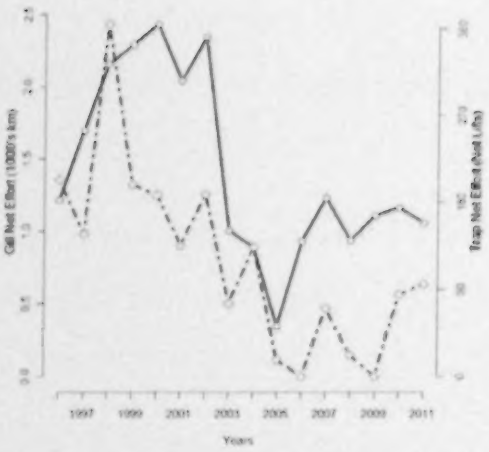

Figure 4-5.7. Yellow perch effort for gill nets (solid line) and trap nets (dotted line) for management area 4-5.

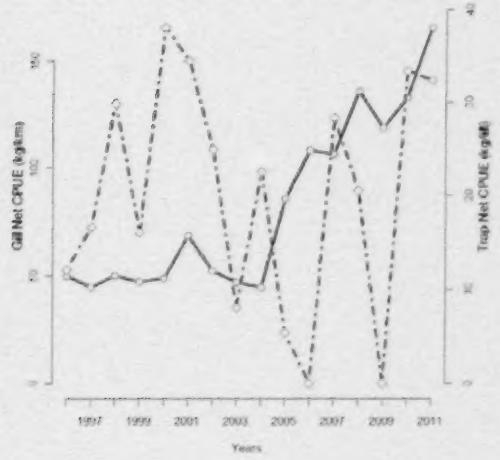

Figure 4-5.8. Yellow perch gill net CPUE (solid line) and trap net CPUE (dotted line) for management area 4-5 (no trap nets in 2009).

Table 4-5.4. Yellow perch harvest, targeted effort, CPUE and quota data from quota management area 4-5, 1994 to 2011.

Year	Harvest(kg)			Effort		CPUE		Quota	Percent
	Gill	Trap	Total	Gill(km)	Trap(lifts)	Gill	Trap	(kg)	Taken
1994	108811	1832	110643	2459.5	67.0	44.0	7.6	289027	38.2
1995	50449	2381	52830	1529.1	90.0	32.9	11.9	231233	22.8
1996	61499	3579	65078	1216.5	203.0	49.8	12.0	208113	31.2
1997	76286	4378	80664	1695.8	147.0	44.5	16.6	187307	43.0
1998	108469	12743	121211	2155.6	365.0	50.0	29.8	144794	83.7
1999	109225	3609	112834	2288.3	198.0	47.0	16.0	144794	77.9
2000	119624	7999	127623	2433.7	187.0	48.7	38.0	144794	88.1
2001	139629	7382	147012	2038.3	135.0	68.2	34.4	144794	101.5
2002	123608	7501	131108	2341.3	188.0	52.1	24.9	159276	82.3
2003	47108	1467	48575	1001.2	75.0	46.8	8.0	141483	34.3
2004	40270	3596	43865	889.9	133.0	44.4	22.5	69011	63.5
2005	29618	440	30058	344.3	17.0	85.5	5.4	69011	43.5
2006	100786	408	101195	928.7	0.0	108.2	0.0	103385	97.8
2007	130905	3806	134711	1227.2	70.0	106.3	28.3	140596	95.8
2008	127853	2666	130519	932.5	22.0	135.8	20.5	137837	94.6
2009	131502	959	132461	1106.6	0.0	118.6	0.0	151620	87.3
2010	154434	3511	157945	1159.1	84.0	132.7	33.3	170121	92.8
2011	175441	5047	180488	1055.4	95.0	165.8	32.4	204147	88.4

WALLEYE

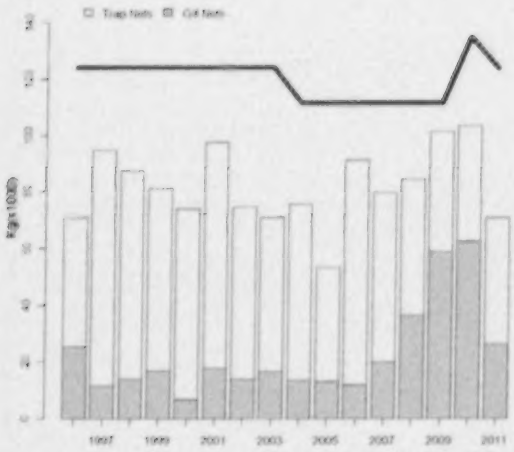

Figure 4-5.9. Walleye quota (line) and harvest (bars) from management area 4-5.

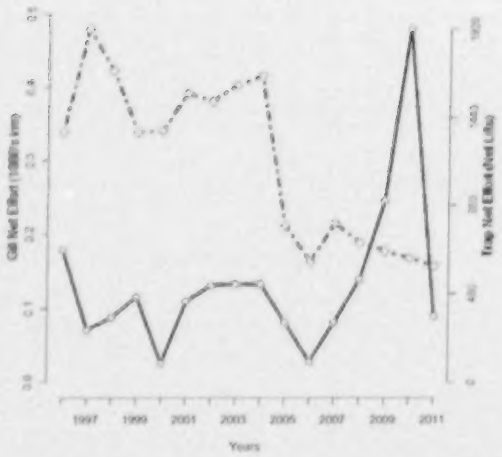

Figure 4-5.10. Walleye effort for gill nets (solid line) and trap nets (dotted line) for management area 4-5.

Figure 4-5.11. Walleye gill net CPUE (solid line) and trap net CPUE (dotted line) for management area 4-5.

Table 4-5.5. Walleye harvest, targeted effort, CPUE and quota data from quota management area 4-5, 1994 to 2011.

Year	Harvest(kg)			Effort		CPUE		Quota	Percent
	Gill	Trap	Total	Gill(km)	Trap(lifts)	Gill	Trap	(kg)	Taken
1994	45350	85641	130992	378.0	1429.0	111.2	58.8	137433	95.3
1995	43974	49828	93802	665.3	1590.0	61.0	31.2	137433	68.2
1996	25227	45609	70835	179.4	1362.0	94.1	32.3	123697	57.2
1997	11664	83005	94670	70.8	1926.0	118.8	42.5	123697	76.5
1998	14046	73055	87102	86.4	1699.0	111.6	42.9	123697	70.4
1999	16882	64043	80925	114.6	1360.0	108.5	47.2	123697	65.4
2000	6686	67218	73904	24.8	1371.0	97.3	50.0	123697	59.7
2001	17641	79951	97592	108.7	1570.0	131.8	54.9	123697	78.8
2002	13966	60784	74750	130.7	1527.0	75.0	39.5	123697	60.4
2003	16645	54200	70845	132.2	1617.0	76.5	34.7	123697	57.2
2004	13412	62110	75522	131.8	1669.0	53.0	37.1	111332	67.8
2005	12916	40455	53371	80.6	849.0	81.9	83.9	111222	47.9
2006	11891	79333	91224	28.0	653.0	69.2	134.0	111222	82.0
2007	19812	59716	79528	80.5	864.0	111.7	69.7	111222	71.5
2008	36476	47856	84332	138.5	756.0	132.1	64.3	111223	75.8
2009	58628	42759	101387	245.6	712.0	146.8	61.9	111223	91.1
2010	62423	40772	103195	479.3	675.0	97.7	60.4	134733	76.5
2011	26252	44250	70502	88.5	630.0	115.2	71.5	123599	57.0

LAKE TROUT

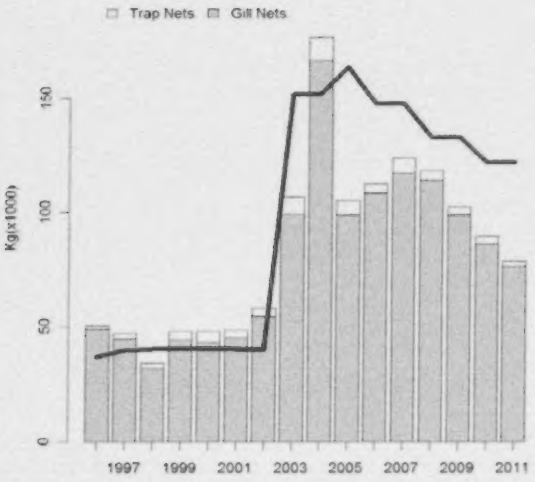

Figure 4-5.12. Lake trout quota (line) and harvest (bars) from management area 4-5.

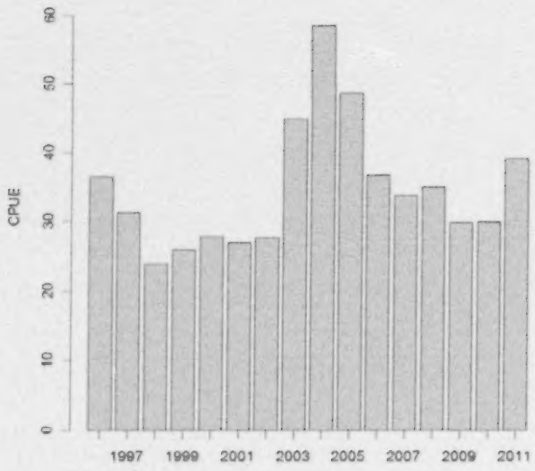

Figure 4-5.13. Lake trout gill net CPUE (kg/km) for management area 4-5.

Table 4-5.6. Lake trout harvest, targeted effort, CPUE and quota data from quota management area 4-5, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest(kg)			Effort	CPUE	Quota	Percent
	Gill	Trap	Total	Gill	Gill	(kg)	Taken
1994	9644	641	10286	1020.8	9.1	36674	28.0
1995	41008	712	41720	1753.1	22.9	36674	113.7
1996	48849	1624	50473	1342.1	36.3	36674	137.6
1997	44569	2661	47231	1423.8	30.7	39660	119.0
1998	31861	2482	34343	1334.4	23.4	40406	84.9
1999	44432	3708	48140	1747.1	25.0	40406	119.1
2000	43391	4751	48142	1672.7	27.2	40406	119.1
2001	45095	3595	48690	1749.7	26.5	40406	120.5
2002	54558	3669	58227	2060.6	27.1	39987	145.6
2003	99055	7592	106647	2271.1	43.7	151875	70.2
2004	166900	10305	177205	2866.1	57.4	151875	116.6
2005	98906	6273	105179	2094.9	48.0	164013	64.1
2006	108342	4039	112381	3008.7	36.5	147615	76.1
2007	117181	6651	123832	3489.4	33.0	147615	83.8
2008	113943	4370	118313	3294.1	34.3	132855	89.0
2009	98867	3548	102415	3377.8	28.6	132855	77.0
2010	86175	3354	89529	2963.6	28.4	121792	73.5
2011	76334	2215	78549	1963.8	38.8	121790	64.4

MANAGEMENT AREA 4-7

Table 4-7.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 4-7, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	44	44	0	–	56
Lake Herring	308	308	50	616.0	278
Deepwater Chub	0	0	14,788	0.0	0
Lake Trout	1,835	1,835	929	197.5	2,832
Lake Whitefish	9,971	9,971	48,620	20.5	27,257
Northern Pike	0	0	225	0.0	0
Walleye	275	275	425	64.7	1,547
Yellow Perch	0	0	882	0.0	0
Sub-Total	12,433	12,433	65,919		31,971
Total	12,433	12,433	65,919		31,971

LAKE WHITEFISH

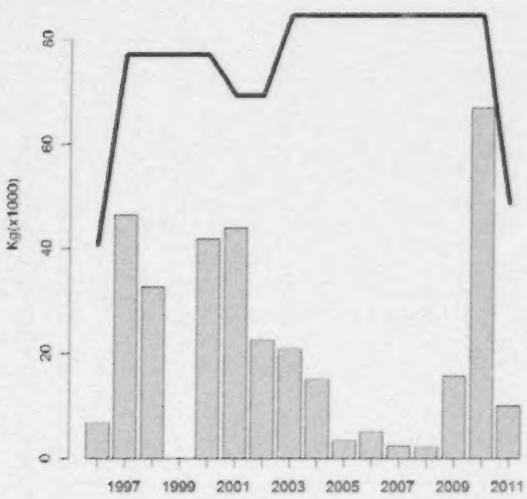

Figure 4-7.1. Lake whitefish quota (line) and harvest (bars) from management area 4-7.

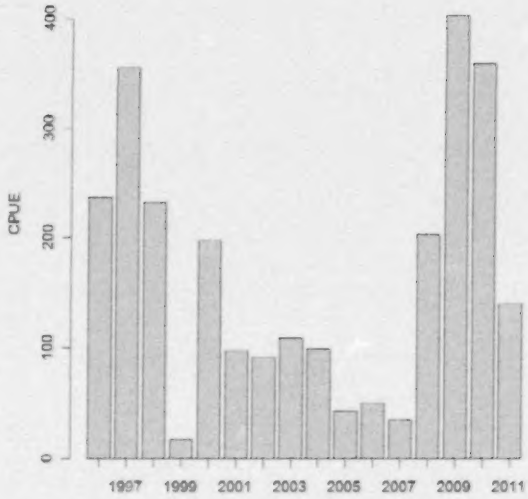

Figure 4-7.2. Lake whitefish gill net CPUE (kg/km) for management area 4-7.

Table 4-7.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-7, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	58575	446.0	130.6	85514	68.4
1995	66693	706.9	94.3	85966	77.5
1996	6852	28.9	237.1	40772	16.8
1997	46344	87.5	354.8	76980	60.2
1998	32695	140.2	231.9	76979	42.4
1999	62	3.7	16.9	76979	0.0
2000	41761	94.5	197.4	76979	54.2
2001	43881	349.0	97.5	69281	63.3
2002	22540	246.0	91.6	69281	32.5
2003	20929	140.3	108.9	84677	24.7
2004	15049	151.9	99.0	84677	17.7
2005	3414	79.7	42.6	84677	4.0
2006	5148	102.6	50.1	84677	6.0
2007	2402	68.5	35.0	84677	2.8
2008	2228	10.9	204.4	84677	2.6
2009	15614	38.7	403.4	84677	18.4
2010	66926	186.9	358.0	84677	79.0
2011	9970	70.9	140.6	48620	20.5

CHUB

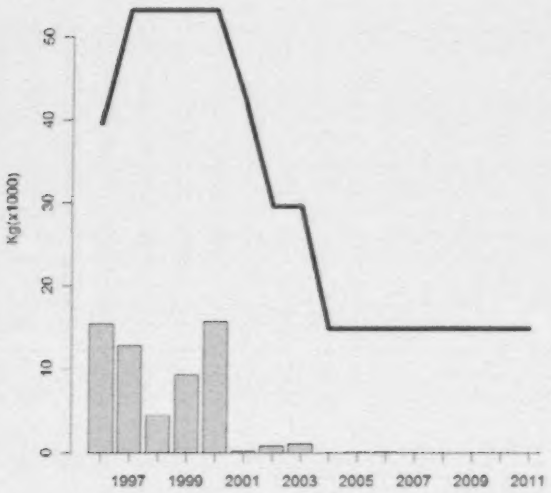

Figure 4-7.3. Chub quota (line) and harvest (bars) from management area 4-7.

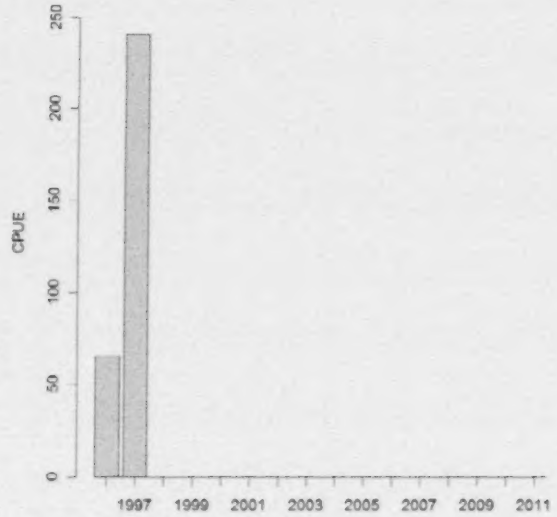

Figure 4-7.4. Chub gill net CPUE (kg/km) for management area 4-7.

Table 4-7.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 4-7, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	44162	488.1	90.2	52791	83.6
1995	53739	855.0	62.8	56873	94.4
1996	15453	169.5	65.4	39543	39.0
1997	12771	18.7	241.5	53277	23.9
1998	4531	0.0	0.0	53277	8.5
1999	9292	0.0	0.0	53277	17.4
2000	15696	0.0	0.0	53227	29.4
2001	171	0.0	0.0	42581	0.4
2002	795	0.0	0.0	29576	2.6
2003	1052	0.0	0.0	29576	3.5
2004	17	0.0	0.0	14788	0.1
2005	96	0.0	0.0	14788	0.6
2006	79	0.0	0.0	14788	0.5
2007	0	0.0	0.0	14788	0.0
2008	0	0.0	0.0	14788	0.0
2009	0	0.0	0.0	14788	0.0
2010	0	0.0	0.0	14788	0.0
2011	0	0.0	0.0	14788	0.0

LAKE TROUT

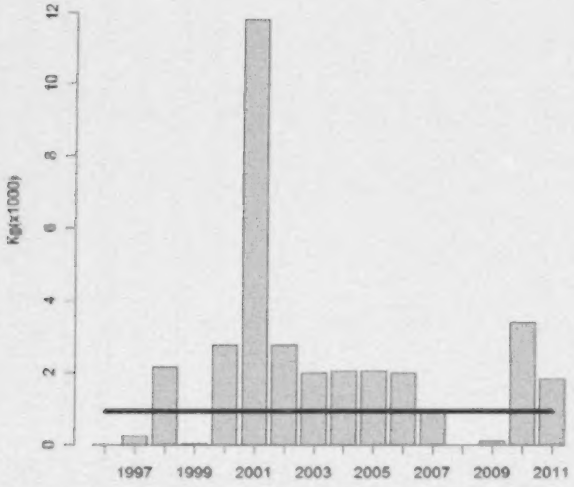

Figure 4-7.4. Lake trout quota (line) and harvest (bars) from management area 4-7.

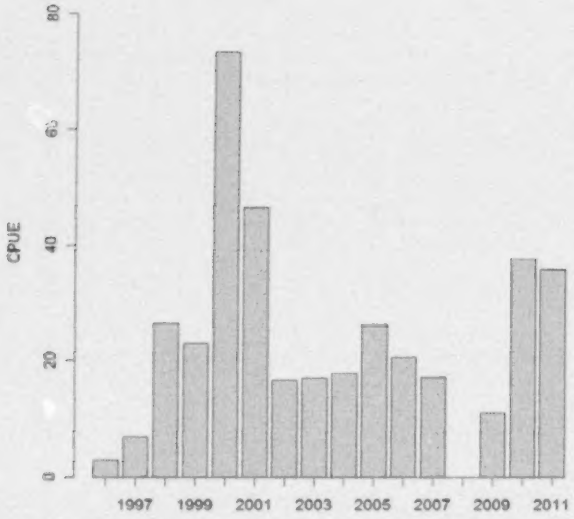

Figure 4-7.5. Lake trout gill net CPUE (kg/km) for management area 4-7.

Table 4-7.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 4-7, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	539	8.0	744	72.5
1995	556	8.4	929	59.8
1996	6	3.0	929	0.7
1997	253	6.9	929	27.3
1998	2164	26.4	929	232.9
1999	30	23.0	929	3.2
2000	2764	73.3	929	297.5
2001	11786	46.4	929	1268.7
2002	2764	16.7	929	297.5
2003	1976	17.0	929	212.7
2004	2040	17.8	929	219.6
2005	2037	26.1	929	219.2
2006	1987	20.6	929	213.9
2007	989	17.1	929	106.5
2008	0	0.0	929	0.0
2009	115	11.0	929	12.3
2010	3374	37.5	929	363.2
2011	1835	35.7	929	197.5

GEORGIAN BAY

Table 5.1. Catch, harvest, and quota data for all commercially caught fish species in Georgian Bay, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	79	41	1,816	2.3	0
Lake Herring	1,054	935	8,060	11.6	171
Deepwater Chub	0	0	135,309	0.0	0
Lake Trout	40,383	38,723	105,982	36.5	38,841
Lake Whitefish	384,509	382,163	598,679	63.8	1,021,498
Northern Pike	420	420	4,326	9.7	560
Walleye	2,704	2,644	8,840	29.9	15,364
Yellow Perch	1,611	1,608	28,588	5.6	7,978
Sub-Total	430,760	426,534	891,600		1,084,411
Burbot	945	17			0
Chinook Salmon	89	31			0
Common Carp	1,585	0			0
Freshwater Drum	7	0			0
Gizzard Shad	159	0			0
Lake Sturgeon	5,046	0			0
Longnose Gar	20	0			0
Rainbow Trout	93	53			0
Redhorse Suckers	2	0			0
Rock Bass	246	0			0
Round Goby	5	0			0
Round Whitefish	771	399			404
Sea Lamprey	0	0			0
Smallmouth Bass	108	0			0
Suckers	3,544	0			0
White Bass	2	0			0
White Perch	34	0			0
Total	443,414	427,035	891,600		1,084,815

MANAGEMENT AREA 5-1

Table 5-1.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-1, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	0	–	0
Lake Herring	39	39	2,350	1.7	30
Deepwater Chub	0	0	4,264	0.0	0
Lake Trout	4,778	4,778	14,385	33.2	4,951
Lake Whitefish	75,173	75,173	132,596	56.7	160,756
Northern Pike	129	129	1,759	7.3	207
Walleye	773	773	1,971	39.2	3,921
Yellow Perch	0	0	12,355	0.0	0
Sub-Total	80,892	80,892	169,680		169,865
Burbot	19	17			0
Round Whitefish	360	360			404
Total	81,271	81,268	169,680		170,269

LAKE WHITEFISH

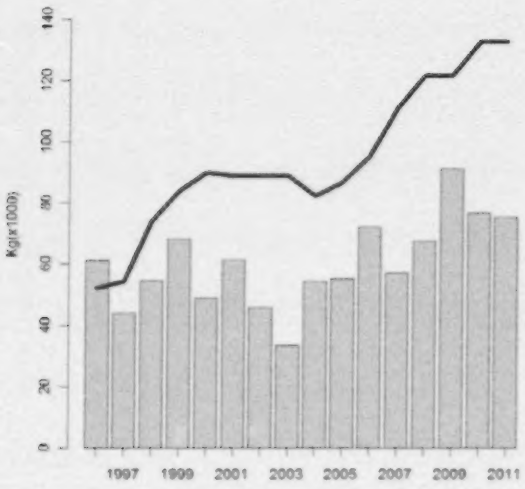

Figure 5-1.1. Lake whitefish quota (line) and harvest (bars) from management area 5-1.

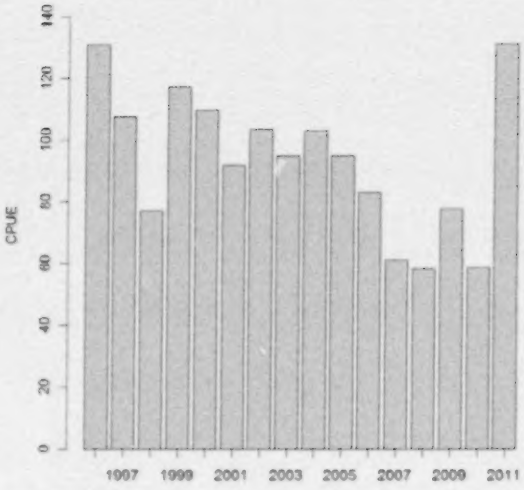

Figure 5-1.2. Lake whitefish gill net CPUE (kg/km) for management area 5-1.

Table 5-1.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	43576	561.6	77.2	46891	92.9
1995	43458	519.2	83.6	47285	91.9
1996	61110	443.3	130.9	52014	117.4
1997	44008	408.6	107.4	54316	81.0
1998	54427	699.4	77.0	73747	73.8
1999	68096	556.2	117.2	83747	81.3
2000	48699	442.5	109.6	89722	54.2
2001	61387	453.0	91.7	88722	69.1
2002	45835	442.5	103.4	88722	51.6
2003	33399	352.5	94.7	88722	37.6
2004	54160	526.1	103.0	82231	65.8
2005	55137	581.7	94.7	86595	63.6
2006	71915	865.7	83.0	95255	75.4
2007	57088	933.2	61.1	110779	51.5
2008	67520	1160.5	58.1	121450	55.5
2009	91171	1170.7	77.8	121450	75.0
2010	76606	1306.6	58.6	132596	57.7
2011	75172	571.9	131.4	132596	56.6

CHUB

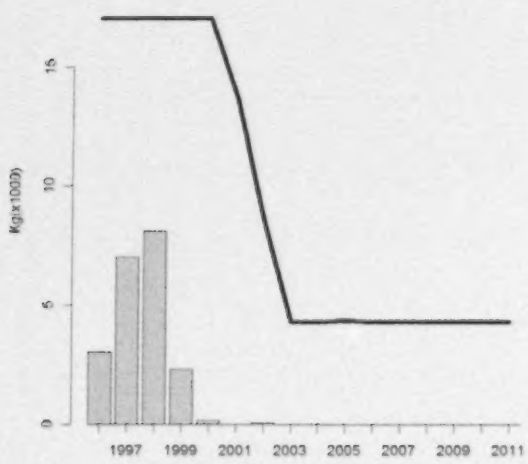

Figure 5-1.3. Chub quota (line) and harvest (bars) from management area 5-1.

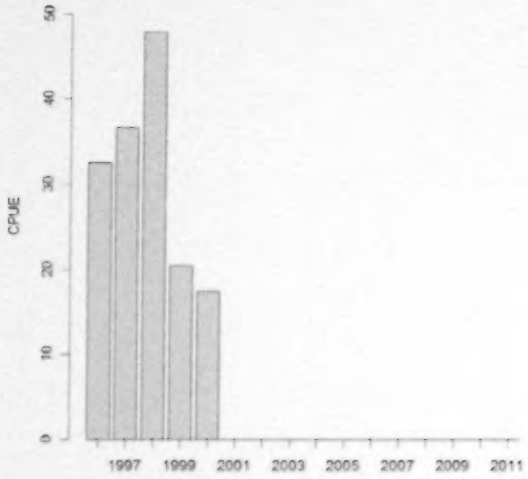

Figure 5-1.4. Chub gill net CPUE (kg/km) for management area 5-1.

Table 5-1.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	5703	165.9	34.2	17052	33.4
1995	8801	167.3	52.3	17052	51.6
1996	3023	90.7	32.4	17052	17.7
1997	7019	179.2	36.5	17052	41.1
1998	8075	167.7	47.9	17052	47.3
1999	2303	112.7	20.4	17052	13.5
2000	166	9.6	17.3	17052	0.9
2001	0	0.0	0.0	13641	0.0
2002	57	0.0	0.0	8527	0.6
2003	0	0.0	0.0	4262	0.0
2004	0	0.0	0.0	4264	0.0
2005	0	0.0	0.0	4349	0.0
2006	0	0.0	0.0	4264	0.0
2007	0	0.0	0.0	4264	0.0
2008	0	0.0	0.0	4264	0.0
2009	0	0.0	0.0	4264	0.0
2010	0	0.0	0.0	4264	0.0
2011	0	0.0	0.0	4264	0.0

LAKE TROUT

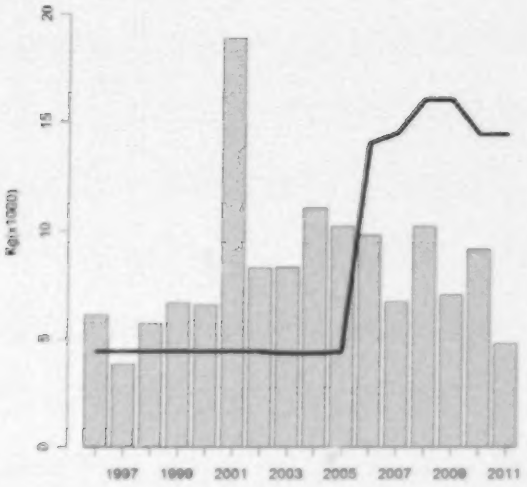

Figure 5-1.5. Lake trout quota (line) and harvest (bars) from management area 5-1.

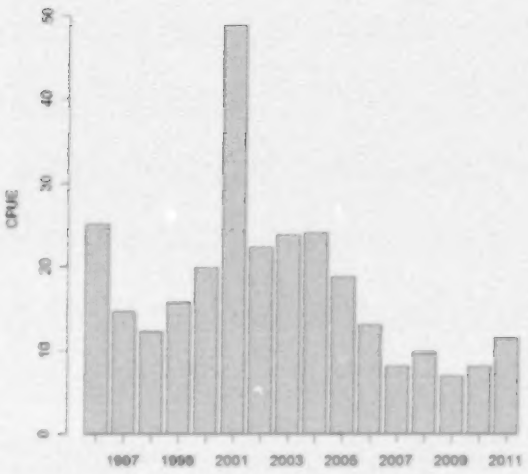

Figure 5-1.6. Lake trout gill net CPUE (kg/km) for management area 5-1.

Table 5-1.4. Lake trout harvest and quota for management area 5-1, 1994 to 2011.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	3262	13.2	4308	75.7
1995	3597	12.2	4418	81.4
1996	6125	25.1	4418	138.6
1997	3866	14.6	4418	87.5
1998	5728	12.2	4418	129.6
1999	6676	15.7	4418	151.1
2000	6572	19.9	4418	148.7
2001	18882	48.9	4418	427.3
2002	8278	22.2	4418	187.3
2003	8316	23.8	4329	192.1
2004	11013	24.1	4329	254.4
2005	10205	18.7	4418	230.9
2006	9776	13.1	14000	69.8
2007	6699	8.1	14454	46.3
2008	10188	9.7	15984	63.7
2009	7022	7	15984	43.9
2010	9095	8.1	14385	63.2
2011	4778	11.4	14385	33.2

MANAGEMENT AREA 5-2

Table 5-2.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-2, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	11	0	0	–	0
Lake Herring	43	17	1,750	1.0	0
Deepwater Chub	0	0	5,656	0.0	0
Lake Trout	1,190	1,163	11,881	9.8	1,154
Lake Whitefish	38,148	38,148	60,868	62.7	112,695
Northern Pike	43	43	500	8.6	51
Walleye	686	671	4,206	16.0	4,113
Yellow Perch	0	0	788	0.0	0
Sub-Total	40,120	40,042	85,649		118,013
Burbot	23	0			0
Chinook Salmon	25	19			0
Common Carp	197	0			0
Lake Sturgeon	16	0			0
Rainbow Trout	3	3			0
Round Whitefish	1	0			0
Sea Lamprey	0	0			0
Suckers	57	0			0
Total	40,441	40,064	85,649		118,013

LAKE WHITEFISH

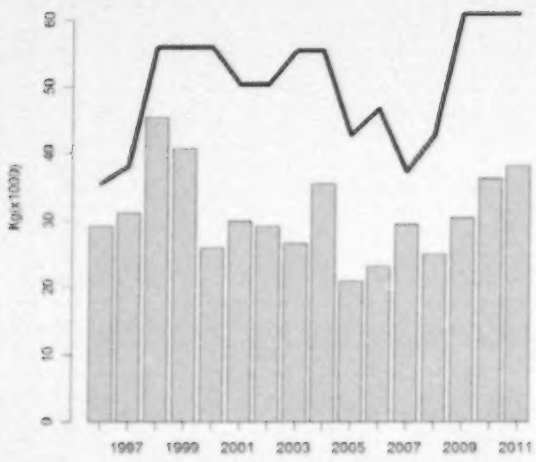

Figure 5-2.1. Lake whitefish quota (line) and harvest (bars) from management area 5-2.

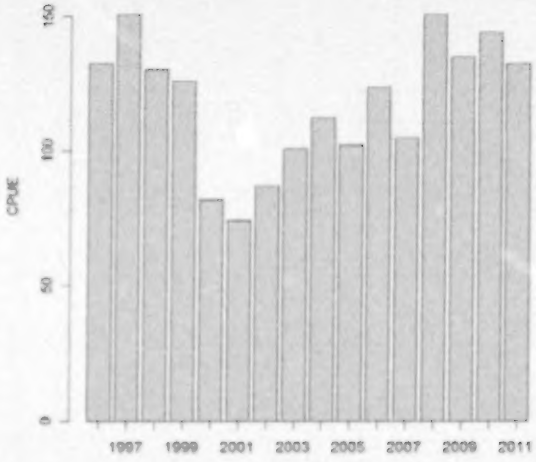

Figure 5-2.2. Lake whitefish gill net CPUE (kg/km) for management area 5-2.

Table 5-2.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-2, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	21518	131.5	161.9	33137	64.9
1995	20558	146.2	139.5	33136	62.0
1996	29163	215.9	132.5	35453	82.2
1997	31036	204.5	150.9	38003	81.6
1998	45393	344.8	130.3	55804	81.3
1999	40763	323.9	125.8	55804	73.0
2000	25891	316.9	81.6	55804	46.3
2001	29852	403.3	73.9	50304	59.3
2002	29041	333.8	86.9	50304	57.7
2003	26440	263.2	100.3	55334	47.7
2004	35399	318.2	112.3	55334	63.9
2005	20923	205.7	101.9	42743	48.9
2006	23071	186.3	123.6	46743	49.3
2007	29411	279.7	104.5	37233	78.9
2008	24848	166.1	150.7	42743	58.1
2009	30401	226.1	134.9	60868	49.9
2010	36237	248.6	144.0	60868	59.5
2011	38147	286.2	132.6	60868	62.6

CHUB

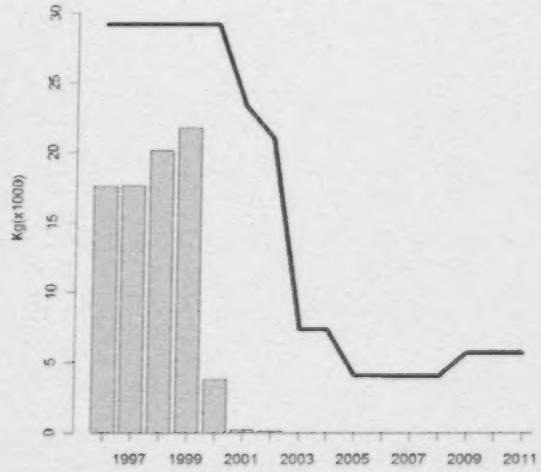

Figure 5-2.3. Chub quota (line) and harvest (bars) from management area 5-2.

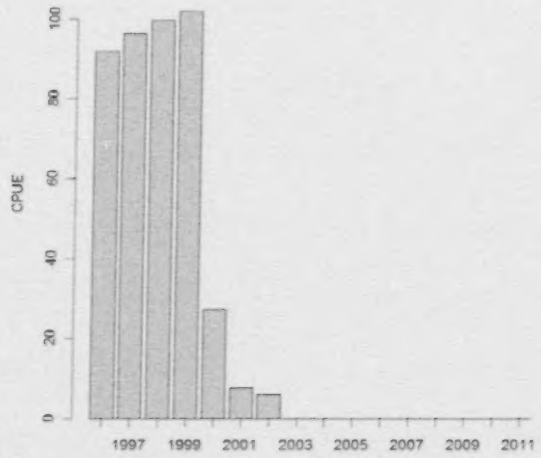

Figure 5-2.4. Chub gill net CPUE (kg/km) for management area 5-2.

Table 5-2.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-2, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	16057	118.3	134.6	27163	59.1
1995	12334	130.6	94.4	27163	45.4
1996	17530	189.9	91.9	29163	60.1
1997	17581	180.0	96.4	29163	60.2
1998	20106	195.5	99.8	29163	68.9
1999	21780	213.2	102.1	29163	74.6
2000	3824	138.4	27.2	29163	13.1
2001	203	26.3	7.7	23342	0.8
2002	123	20.6	5.9	21011	0.5
2003	0	0.0	0.0	7327	0.0
2004	0	0.0	0.0	7328	0.0
2005	0	0.0	0.0	4032	0.0
2006	0	0.9	0.0	4032	0.0
2007	0	0.0	0.0	4008	0.0
2008	0	0.0	0.0	4008	0.0
2009	0	0.0	0.0	5656	0.0
2010	0	0.0	0.0	5656	0.0
2011	0	0.0	0.0	5656	0.0

WALLEYE

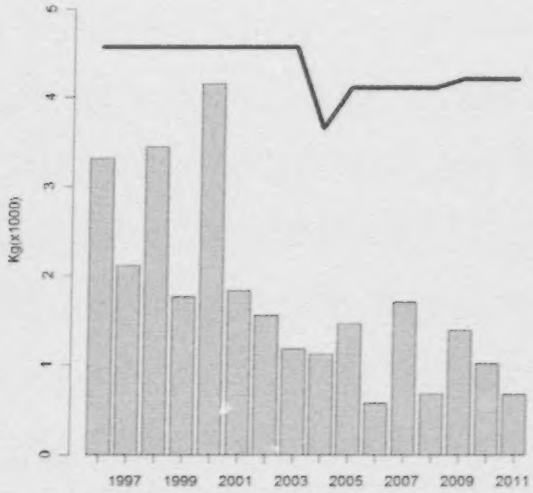

Figure 5-2.5. Walleye quota (line) and harvest (bars) from management area 5-2.

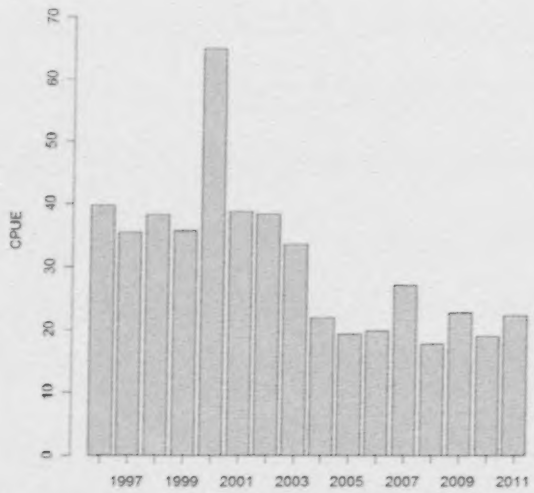

Figure 5-2.6. Walleye gill net CPUE (kg/km) for management area 5-2.

Table 5-2.4. Walleye harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-2, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	3090	61.1	48.2	4566	67.6
1995	3237	72.7	44.3	4566	70.9
1996	3313	81.9	39.7	4566	72.5
1997	2110	55.8	35.5	4566	46.2
1998	3441	84.4	38.2	4566	75.3
1999	1761	41.8	35.6	4566	38.5
2000	4148	54.8	64.9	4566	90.8
2001	1830	45.5	38.8	4566	40.0
2002	1551	39.2	38.4	4566	33.9
2003	1181	32.7	33.6	4566	25.8
2004	1119	46.0	21.8	3653	30.6
2005	1464	43.3	19.2	4106	35.6
2006	572	15.7	19.7	4106	13.9
2007	1705	46.6	27.0	4106	41.5
2008	683	35.4	17.6	4106	16.6
2009	1389	23.8	22.6	4206	33.0
2010	1016	33.3	18.9	4206	24.1
2011	671	19.9	22.2	4206	15.9

MANAGEMENT AREA 5-3

Table 5-3.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-3, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	908	0.0	0
Lake Herring	91	91	600	15.2	70
Deepwater Chub	0	0	48,757	0.0	0
Lake Trout	2,454	2,427	16,250	14.9	2,514
Lake Whitefish	28,378	28,299	61,722	45.8	60,516
Northern Pike	8	8	446	1.8	12
Walleye	12	12	0	–	58
Yellow Perch	0	0	2,437	0.0	0
Sub-Total	30,942	30,836	131,120		63,172
Burbot	34	0			0
Suckers	358	0			0
Total	31,334	30,836	131,120		63,172

MANAGEMENT AREA 5-3N

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	454	0.0	0
Cisco	91	91	550	16.5	70
Deepwater Chub	0	0	4,251	0.0	0
Lake Trout	2,120	2,093	10,836	19.3	2,169
Lake Whitefish	18,443	18,364	43,152	42.6	39,271
Northern Pike	0	0	371	0.0	0
Walleye	8	8	0	–	40
Yellow Perch	0	0	418	0.0	0
Sub-Total	20,662	20,556	60,032		41,550
Burbot	34	0			0
Suckers	358	0			0
Total	21,054	20,556	60,032		41,550

LAKE WHITEFISH

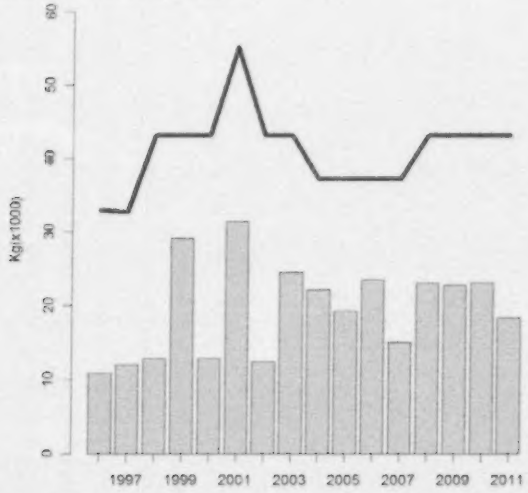

Figure 5-3N.1. Lake whitefish quota (line) and harvest (bars) from management area 5-3N.

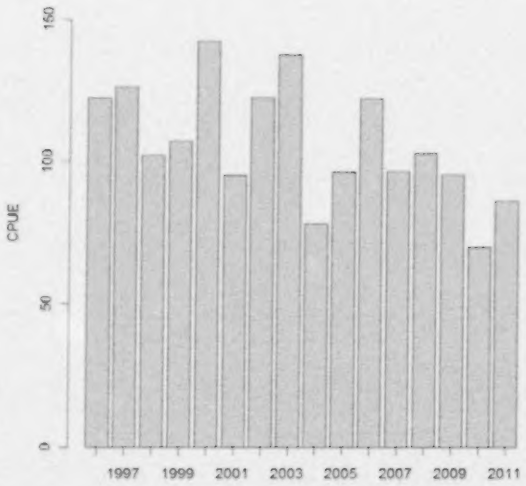

Figure 5-3N.2. Lake whitefish gill net CPUE (kg/km) for management area 5-3N.

Table 5-3N.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-3N, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	11053	55.9	194.4	43717	25.2
1995	13296	96.9	136.7	43722	30.4
1996	10935	83.3	122.3	32940	33.1
1997	12069	95.2	126.4	32682	36.9
1998	12868	125.7	102.3	43152	29.8
1999	29151	270.5	107.3	43152	67.5
2000	12896	90.5	142.4	43152	29.8
2001	31357	329.1	95.0	55152	56.8
2002	12436	101.4	122.6	43152	28.8
2003	24535	91.2	137.4	43152	56.8
2004	22187	284.3	78.0	37152	59.7
2005	19297	200.5	96.2	37152	51.9
2006	23518	192.5	122.1	37152	63.3
2007	15042	155.8	96.5	37152	40.4
2008	23052	224.3	102.7	43152	53.4
2009	22808	239.6	95.1	43152	52.8
2010	23141	331.6	69.7	43152	53.6
2011	18363	213.2	86.1	43152	42.5

CHUB

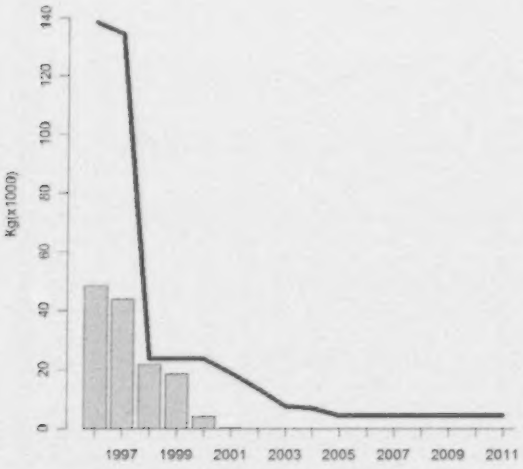

Figure 5-3N.3. Chub quota (line) and harvest (bars) from management area 5-3N.

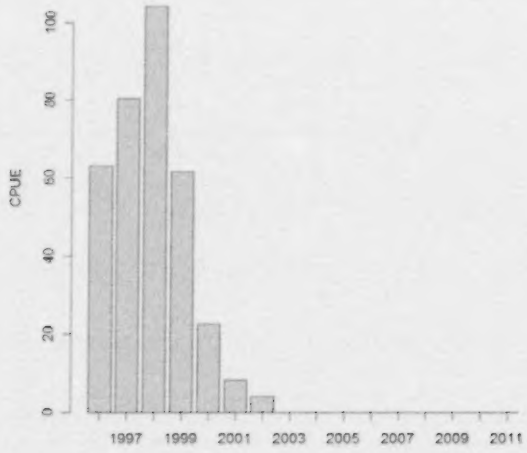

Figure 5-3N.4. Chub gill net CPUE (kg/km) for management area 5-3N.

Table 5-3N.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-3N, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	110550	1271.4	87.4	204286	54.1
1995	106524	1958.0	55.8	204286	52.1
1996	48402	768.4	63.1	138453	34.9
1997	43862	553.4	80.4	134217	32.6
1998	21675	207.7	104.3	23552	92.0
1999	18516	300.7	61.5	23552	78.6
2000	4040	184.7	22.4	23552	17.1
2001	201	24.6	8.2	18842	1.0
2002	22	5.4	4.2	13374	0.1
2003	0	0.0	0.0	7527	0.0
2004	0	0.0	0.0	6689	0.0
2005	0	0.0	0.0	4248	0.0
2006	0	0.0	0.0	4251	0.0
2007	0	0.0	0.0	4251	0.0
2008	0	0.0	0.0	4251	0.0
2009	0	0.0	0.0	4251	0.0
2010	0	0.0	0.0	4251	0.0
2011	0	0.0	0.0	4251	0.0

LAKE TROUT

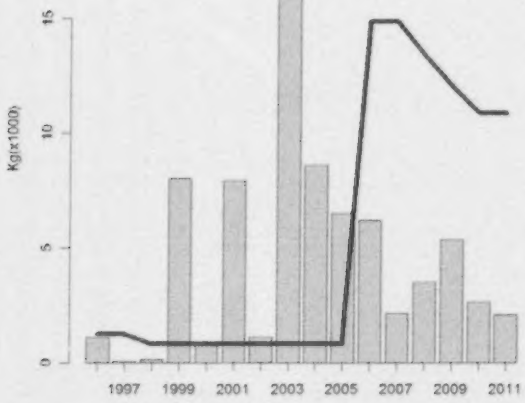

Figure 5-3N.5. Lake trout quota (line) and harvest (bars) from management area 5-3N.

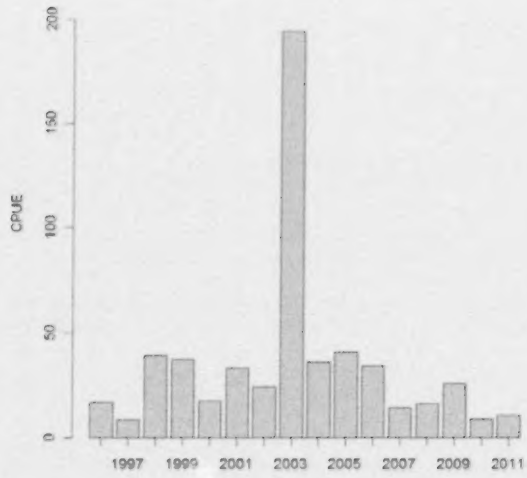

Figure 5-3N.6. Lake trout gill net CPUE (kg/km) for management area 5-3N.

st and quota for management area 5-3N, 1994

CPUE (kg/km)	Quota (kg)	% Quota Taken
16.6	2862	6.3
24.1	2823	16.9
16.6	1260	86.8
8.5	1248	7.7
39.2	809	18.5
37.1	809	987.6
17.4	809	96.0
33	809	980.0
24.2	809	138.0
194.2	809	2191.3
35.9	809	1060.4
40.7	809	804.0
34	14861	41.5
14.2	14861	14.3
16.1	13375	26.1
25.8	12038	44.5
8.9	10836	24.2
10.9	10836	19.3

MANAGEMENT AREA 5-3S

Table 5-3S.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-3S, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	454	0.0	0
Cisco	0	0	50	0.0	0
Deepwater Chub	0	0	44,506	0.0	0
Lake Trout	333	333	5,414	6.2	346
Lake Whitefish	9,935	9,935	18,570	53.5	21,245
Northern Pike	8	8	75	10.7	12
Walleye	4	4	0	--	18
Yellow Perch	0	0	2,019	0.0	0
Sub-Total	10,280	10,280	71,088		21,622
Total	10,280	10,280	71,088		21,622

LAKE WHITEFISH

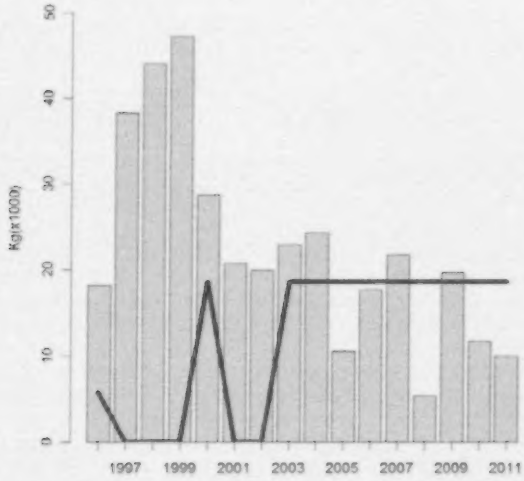

Figure 5-3S.1. Lake whitefish quota (line) and harvest (bars) from management area 5-3S.

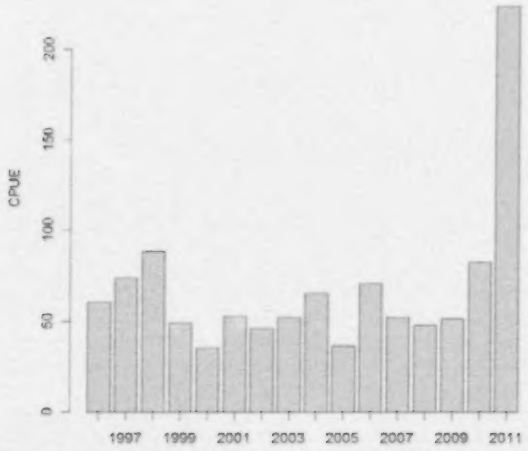

Figure 5-3S.2. Lake whitefish gill net CPUE (kg/km) for management area 5-3S.

Table 5-3S.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-3S, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	3363	36.3	91.8	0	--
1995	8708	160.1	54.3	0	--
1996	18145	299.8	60.4	5747	315.7
1997	38236	329.4	73.6	0	--
1998	44082	497.1	88.5	0	--
1999	47259	753.0	49.1	0	--
2000	28685	364.4	35.2	18570	154.4
2001	20747	305.7	52.6	0	--
2002	19930	432.7	46.0	0	--
2003	22869	439.7	52.0	18570	123.1
2004	24299	373.1	65.1	18570	130.8
2005	10550	289.7	36.4	18570	56.8
2006	17722	251.0	70.6	18570	95.4
2007	21740	415.9	52.1	18570	117.0
2008	5307	111.6	47.5	18570	28.5
2009	19623	386.7	51.4	18570	105.6
2010	11641	140.8	82.6	18570	62.6
2011	9934	43.4	224.3	18570	53.4

CHUB

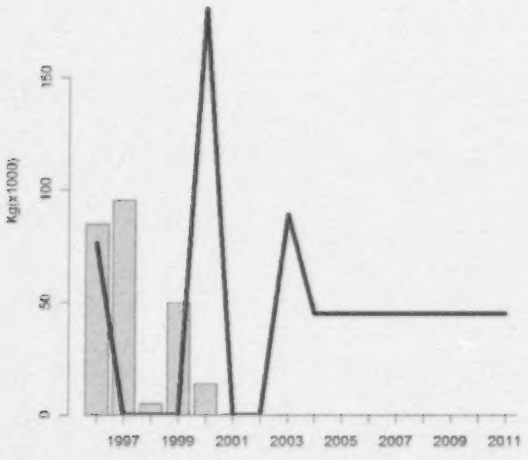

Figure 5-3S.3. Chub quota (line) and harvest (bars) from management area 5-3S.

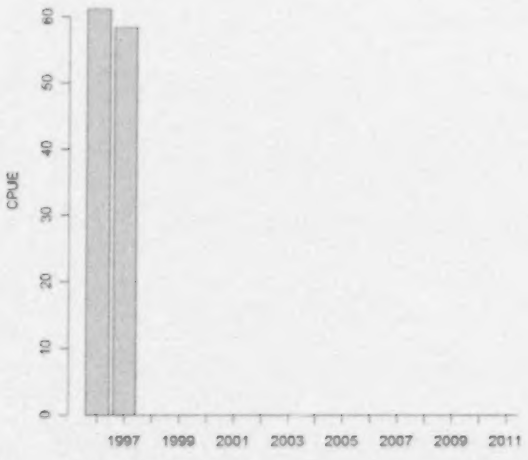

Figure 5-3S.4. Chub gill net CPUE (kg/km) for management area 5-3S.

Table 5-3S.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-3S, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	87292	1325.7	68.7	0	--
1995	67457	992.1	71.0	0	--
1996	84547	1436.3	61.2	76185	110.9
1997	95333	1592.3	58.3	0	--
1998	5131	0.0	0.0	0	--
1999	49717	0.0	0.0	0	--
2000	13798	0.0	0.0	180734	7.6
2001	431	0.0	0.0	0	--
2002	0	0.0	0.0	0	--
2003	0	0.0	0.0	89011	0.0
2004	8	0.0	0.0	44505	0.0
2005	0	0.0	0.0	44505	0.0
2006	0	0.0	0.0	44506	0.0
2007	0	0.0	0.0	44506	0.0
2008	0	0.0	0.0	44506	0.0
2009	0	0.0	0.0	44506	0.0
2010	0	0.0	0.0	44506	0.0
2011	0	0.0	0.0	44506	0.0

LAKE TROUT

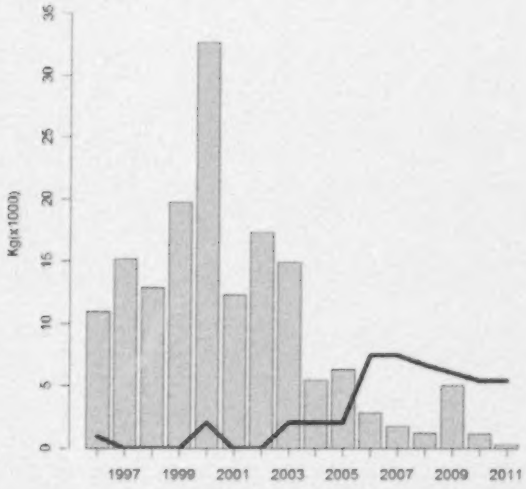

Figure 5-3S.5. Lake trout quota (line) and harvest (bars) from management area 5-3S.

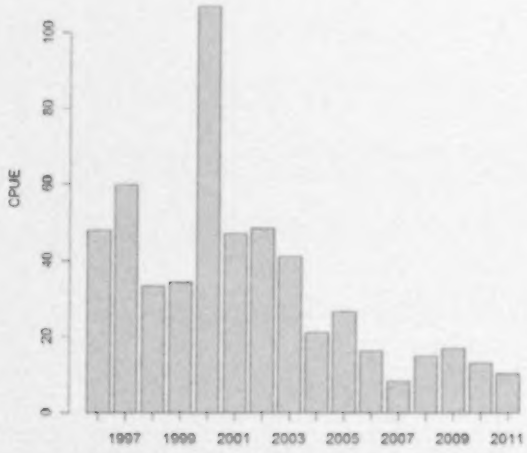

Figure 5-3S.6. Lake trout gill net CPUE (kg/km) for management area 5-3S.

Table 5-3S.4. Lake trout harvest and quota for management area 5-3S, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	519	39.2	0	--
1995	8540	60.9	0	--
1996	10930	47.7	948	1152.9
1997	15165	59.9	0	--
1998	12850	33.1	0	--
1999	19733	34.1	0	--
2000	32664	107	2011	1624.2
2001	12307	46.9	0	--
2002	17312	48.3	0	--
2003	14896	41	2011	740.7
2004	5508	21	2011	273.9
2005	6282	26.4	2011	312.4
2006	2853	16.1	7428	38.4
2007	1784	8.2	7428	24.0
2008	1249	14.8	6685	18.6
2009	5004	16.8	6016	83.1
2010	1199	13	5414	22.1
2011	333	10.2	5414	6.1

MANAGEMENT AREA 5-4

Table 5-4.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-4, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	0	–	0
Lake Herring	1	0	100	0.0	0
Deepwater Chub	0	0	3,000	0.0	0
Lake Trout	535	535	1,980	27.0	530
Lake Whitefish	10,350	10,350	12,359	83.7	30,576
Northern Pike	0	0	0	–	0
Walleye	37	0	61	0.0	0
Yellow Perch	0	0	0	–	0
Sub-Total	10,923	10,885	17,500		31,106
Burbot	33	0			0
Chinook Salmon	4	0			0
Suckers	82	0			0
Total	11,041	10,885	17,500		31,106

LAKE WHITEFISH

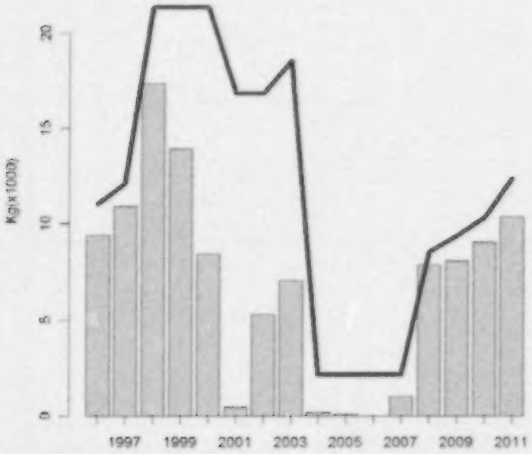

Figure 5-4.1. Lake whitefish quota (line) and harvest (bars) from management area 5-4.

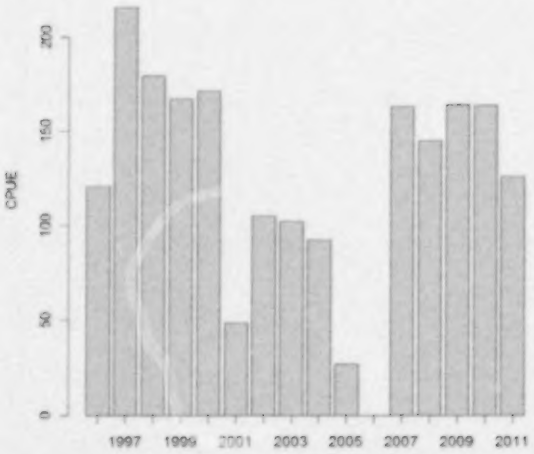

Figure 5-4.2. Lake whitefish gill net CPUE (kg/km) for management area 5-4.

Table 5-4.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-4, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	12064	148.4	81.2	9103	132.5
1995	9386	69.5	134.8	10013	93.7
1996	9420	77.9	120.9	11014	85.5
1997	10924	51.8	216.1	12116	90.1
1998	17326	96.6	179.3	21328	81.2
1999	13908	83.2	167.1	21328	65.2
2000	8426	49.1	171.6	21328	39.5
2001	463	9.5	48.7	16828	2.7
2002	5270	50.1	105.2	16828	31.3
2003	7037	68.9	102.1	18511	38.0
2004	169	1.8	94.0	2134	7.9
2005	119	4.4	27.1	2134	5.6
2006	0	0.0	0.0	2134	0.0
2007	998	6.1	163.7	2134	46.8
2008	7897	55.4	144.8	8511	92.7
2009	8071	49.1	164.3	9363	86.2
2010	9028	55.2	163.5	10299	87.6
2011	10349	82.0	126.2	12359	83.7

CHUB

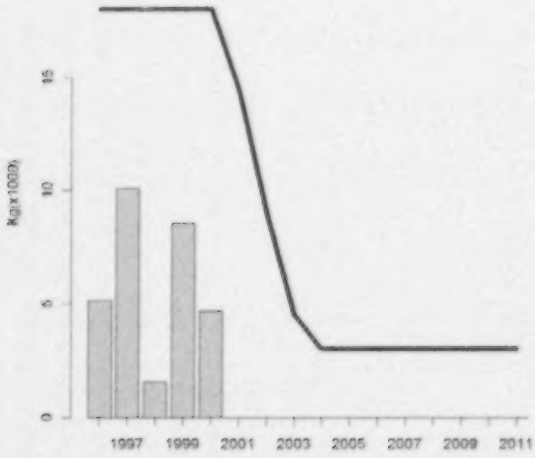

Figure 5-4.3. Chub quota (line) and harvest (bars) from management area 5-4.

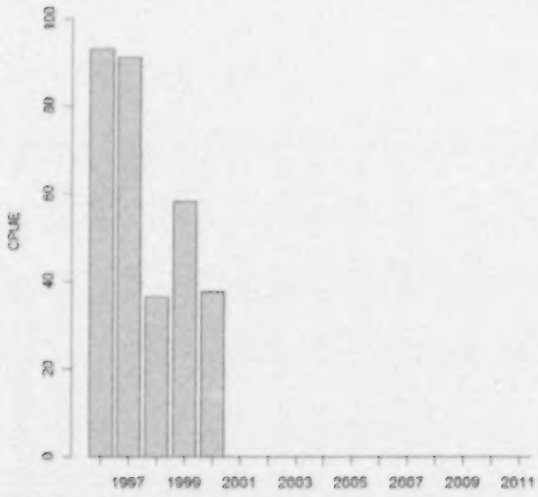

Figure 5-4.4. Chub gill net CPUE (kg/km) for management area 5-4.

Table 5-4.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-4, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	4017	78.7	51.0	18000	22.3
1995	1635	28.0	58.4	18000	9.0
1996	5141	55.1	93.3	18000	28.5
1997	10088	110.6	91.2	18000	56.0
1998	1564	38.6	36.4	18000	8.6
1999	8524	146.7	58.1	18000	47.3
2000	4684	124.7	37.5	18000	26.0
2001	0	0.0	0.0	14400	0.0
2002	0	0.0	0.0	9000	0.0
2003	0	0.0	0.0	4500	0.0
2004	0	0.0	0.0	3000	0.0
2005	0	0.0	0.0	3000	0.0
2006	0	0.0	0.0	3000	0.0
2007	0	0.0	0.0	3000	0.0
2008	0	0.0	0.0	3000	0.0
2009	0	0.0	0.0	3000	0.0
2010	0	0.0	0.0	3000	0.0
2011	0	0.0	0.0	3000	0.0

LAKE TROUT

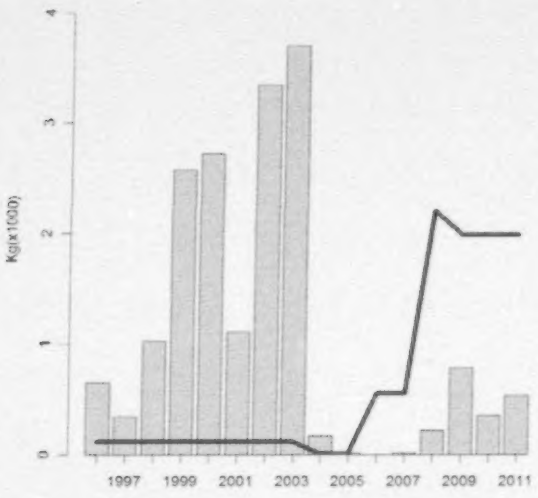

Figure 5-4.5. Lake trout quota (line) and harvest (bars) from management area 5-4.

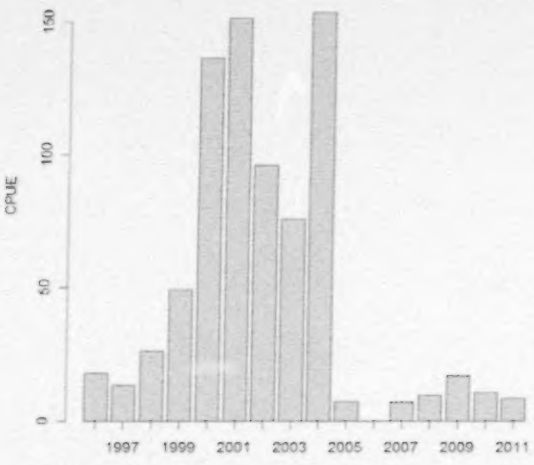

Figure 5-4.6. Lake trout gill net CPUE (kg/km) for management area 5-4.

Table 5-4.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 5-4, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	6	1.8	0	--
1995	112	9.0	6	1873.3
1996	649	17.9	113	574.5
1997	347	13.4	113	307.8
1998	1026	26.1	113	908.4
1999	2571	49.2	113	2275.2
2000	2717	136.5	113	2405.3
2001	1106	151.6	113	979.5
2002	3348	95.9	113	2963.5
2003	3707	75.8	113	3280.9
2004	168	153.9	8	2102.6
2005	16	7.3	8	208.6
2006	0	0.0	552	0.0
2007	19	6.9	552	3.5
2008	216	9.5	2200	9.8
2009	781	16.8	1980	39.4
2010	349	10.5	1980	17.6
2011	534	8.6	1980	27.0

MANAGEMENT AREA 5-5

There were no fish harvested in this QMA in 2011.

MANAGEMENT AREA 5-6

Table 5-6.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-6, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	0	–	0
Lake Herring	0	0	100	0.0	0
Deepwater Chub	0	0	15,205	0.0	0
Lake Trout	918	918	7,695	11.9	911
Lake Whitefish	14,331	14,331	36,722	39.0	42,336
Northern Pike	0	0	0	–	0
Walleye	5	5	400	1.3	33
Yellow Perch	347	347	1,271	27.3	1,719
Sub-Total	15,601	15,601	61,393		44,999
Chinook Salmon	12	12			0
Total	15,613	15,613	61,393		44,999

LAKE WHITEFISH

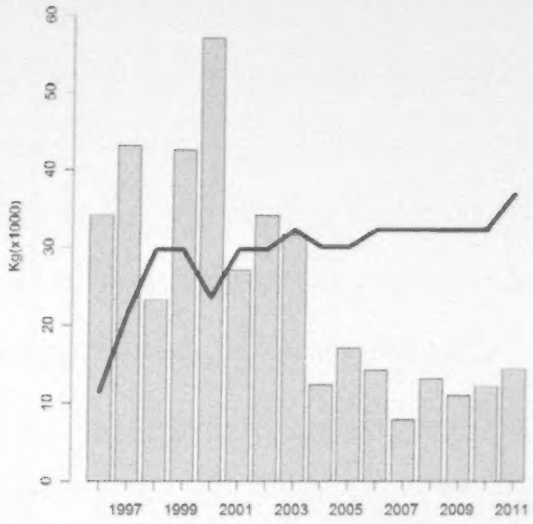

Figure 5-6.1. Lake whitefish quota (line) and harvest (bars) from management area 5-6.

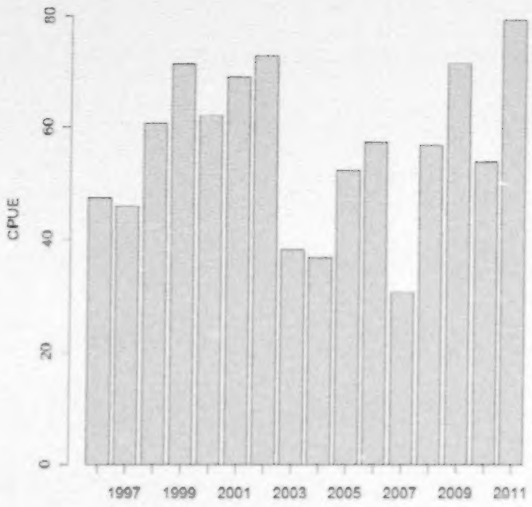

Figure 5-6.2. Lake whitefish gill net CPUE (Kg/Km) for management area 5-6.

Table 5-6.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-6, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	91	1.6	56.1	19597	0.4
1995	12647	257.8	48.5	19597	64.5
1996	34119	337.6	47.3	11401	299.2
1997	43097	435.7	45.9	21556	199.9
1998	23226	381.8	60.6	29556	78.5
1999	42539	578.8	71.3	29556	143.9
2000	57068	416.8	62.1	23556	242.2
2001	27008	296.3	68.9	29566	91.3
2002	34079	468.7	72.7	29556	115.3
2003	31596	595.3	38.2	32198	98.1
2004	12294	333.6	36.8	29930	41.0
2005	17017	325.2	52.3	29930	56.8
2006	14228	248.0	57.3	32198	44.1
2007	7855	255.9	30.6	32198	24.3
2008	13114	229.4	56.8	32198	40.7
2009	10930	152.9	71.4	32198	33.9
2010	12170	224.9	53.7	32198	37.8
2011	14330	180.7	79.3	36722	39.0

CHUB

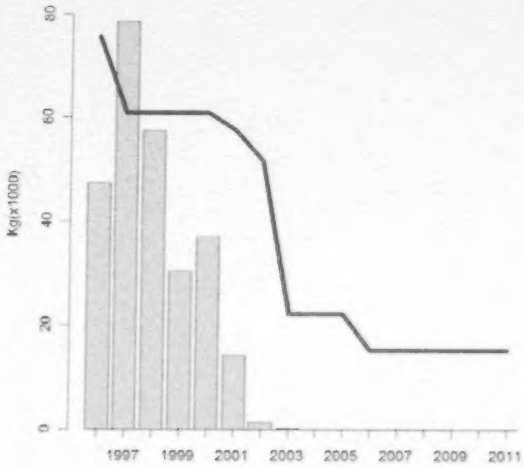

Figure 5-6.2. Chub quota (line) and harvest (bars) from management area 5-6.

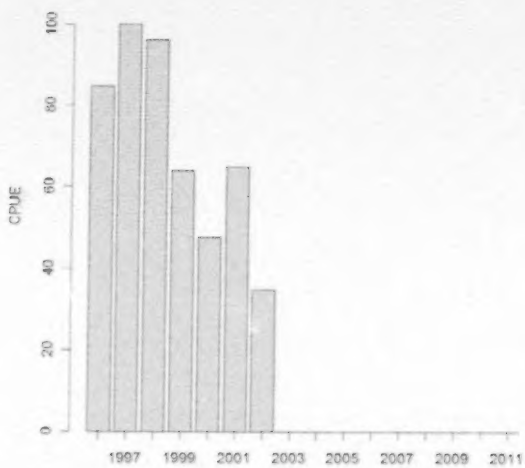

Figure 5-6.3. Chub gill net CPUE (kg/km) for management area 5-6.

Table 5-6.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-6, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	44080	603.6	75.6	46070	95.6
1995	38851	483.9	76.8	46070	84.3
1996	47293	518.9	84.8	75615	62.5
1997	78631	578.0	100.2	60820	129.2
1998	57444	361.3	96.2	60820	94.4
1999	30543	385.2	63.9	60820	50.2
2000	37073	432.0	47.6	60820	60.9
2001	14330	176.0	64.9	57525	24.9
2002	1397	43.8	34.8	51595	2.7
2003	75	0.0	0.0	22172	0.3
2004	27	0.0	0.0	22172	0.1
2005	0	0.0	0.0	22172	0.0
2006	0	0.0	0.0	15205	0.0
2007	0	0.0	0.0	15205	0.0
2008	0	0.0	0.0	15205	0.0
2009	0	0.0	0.0	15205	0.0
2010	0	0.0	0.0	15205	0.0
2011	0	0.0	0.0	15205	0.0

LAKE TROUT

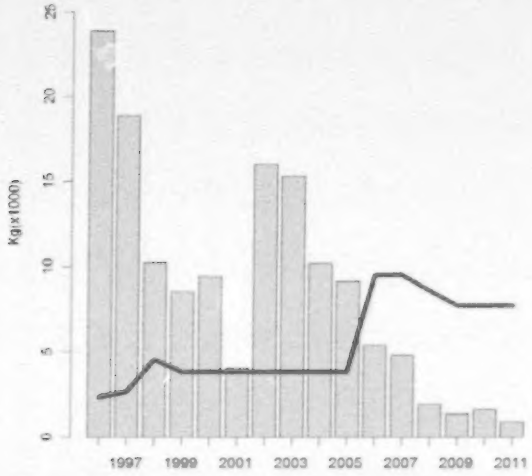

Figure 5-6.4. Lake trout quota (line) and harvest (bars) from management area 5-6.

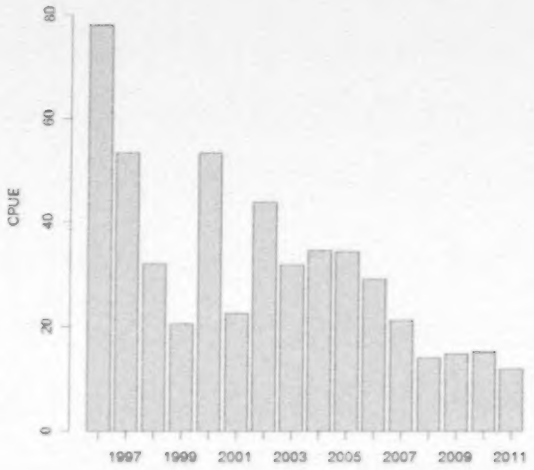

Figure 5-6.5. Lake trout gill net CPUE (kg/km) for management area 5-6.

Table 5-6.4. Lake trout harvest and quota for management area 5-6, 1994 to 2011.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	8	0	4558	0.1
1995	11528	52.9	4558	252.9
1996	23879	78	2291	1042.3
1997	18876	53.3	2605	724.6
1998	10232	32.1	4546	225.0
1999	8551	20.5	3785	225.9
2000	9469	53.2	3785	250.1
2001	4039	22.5	3785	106.7
2002	15999	43.8	3785	422.7
2003	15308	31.8	3785	404.4
2004	10198	34.5	3785	269.4
2005	9149	34.5	3785	241.7
2006	5405	29.2	9500	56.8
2007	4801	21.2	9500	50.5
2008	1932	14	8550	22.5
2009	1377	14.7	7695	17.8
2010	1624	15.1	7695	21.1
2011	917	11.9	7695	11.9

MANAGEMENT AREA 5-7

Table 5-7.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-7, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	30	4	0	–	0
Lake Herring	785	693	1,960	35.4	0
Deepwater Chub	0	0	2,184	0.0	0
Lake Trout	8,217	6,643	18,454	36.0	6,590
Lake Whitefish	46,239	45,772	75,523	60.6	135,218
Northern Pike	16	16	1,175	1.4	19
Walleye	1,026	1,018	1,382	73.7	6,239
Yellow Perch	1,240	1,238	4,757	26.0	6,140
Sub-Total	57,552	55,382	105,435		154,206
Burbot	443	0			0
Chinook Salmon	28	0			0
Common Carp	84	0			0
Gizzard Shad	50	0			0
Lake Sturgeon	575	0			0
Longnose Gar	20	0			0
Rainbow Trout	2	0			0
Redhorse Suckers	2	0			0
Rock Bass	246	0			0
Round Goby	5	0			0
Round Whitefish	371	0			0
Smallmouth Bass	108	0			0
Suckers	869	0			0
White Perch	34	0			0
Total	60,388	55,382	105,435		154,206

LAKE WHITEFISH

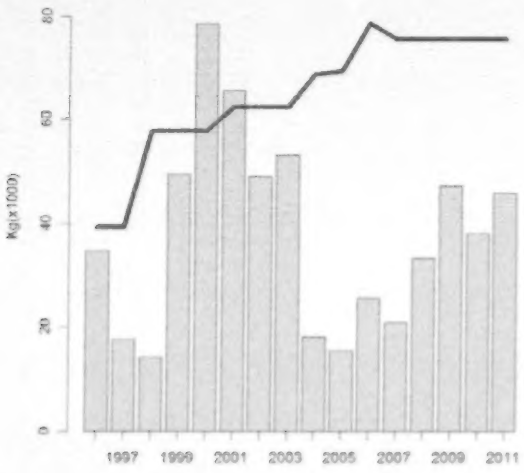

Figure 5-7.1. Lake whitefish quota (line) and harvest (bars) from management area 5-7.

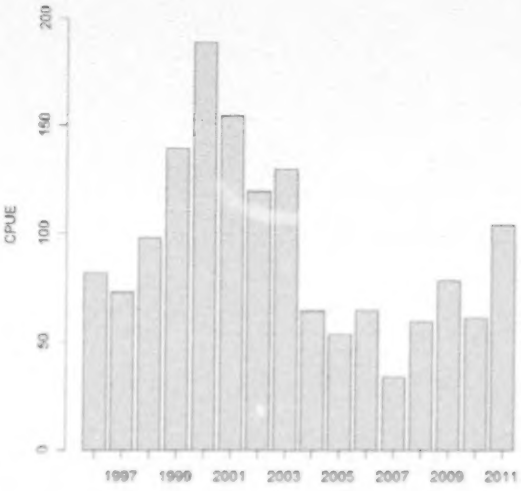

Figure 5-7.2. Lake whitefish gill net CPUE (kg/km) for management area 5-7.

Table 5-7.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-7, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	7944	29.8	265.8	33791	23.5
1995	12512	83.3	150.2	35636	35.1
1996	34676	127.0	81.8	39200	88.4
1997	17664	118.0	73.0	39200	45.0
1998	14228	145.2	97.8	57742	24.6
1999	49479	349.2	139.2	57742	85.6
2000	78604	414.9	188.8	57742	136.1
2001	65597	433.9	154.5	62415	105.0
2002	48973	408.8	119.5	62415	78.4
2003	53136	406.6	129.8	62415	85.1
2004	18068	279.2	64.2	68657	26.3
2005	15583	291.3	53.3	69343	22.4
2006	25550	395.2	64.6	78613	32.5
2007	20996	608.2	33.5	75523	27.8
2008	33351	562.2	59.2	75523	44.1
2009	47236	605.8	78.1	75523	62.5
2010	38032	624.9	61.0	75523	50.3
2011	45771	439.9	103.8	75523	60.6

CHUB

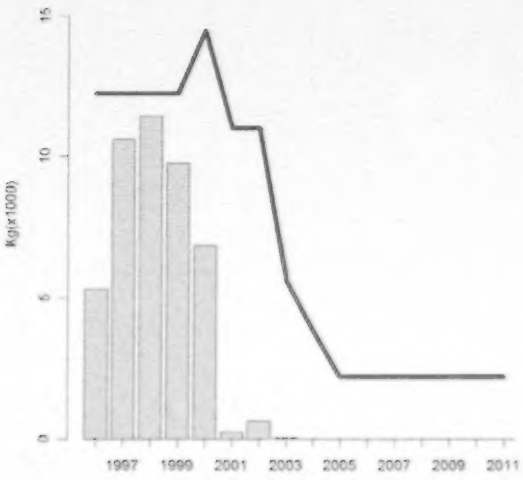

Figure 5-7.3. Chub quota (line) and harvest (bars) from management area 5-7.

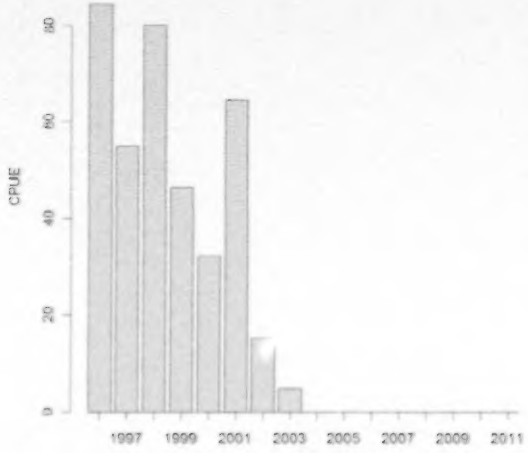

Figure 5-7.4. Chub gill net CPUE (kg/km) for management area 5-7.

Table 5-7.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-7, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	11837	134.4	90.0	12202	97.0
1995	8197	71.0	125.2	12202	67.1
1996	5304	63.0	84.7	12202	43.4
1997	10592	192.7	55.0	12202	86.8
1998	11430	135.2	80.2	12202	93.6
1999	9753	212.3	46.3	12202	79.9
2000	6833	210.8	32.2	14470	47.2
2001	245	4.5	65.5	10983	2.2
2002	640	38.2	15.1	10983	5.8
2003	45	9.3	4.9	5585	0.8
2004	0	0.0	0.0	3838	0.0
2005	0	0.0	0.0	2184	0.0
2006	0	0.0	0.0	2184	0.0
2007	0	0.0	0.0	2184	0.0
2008	0	0.0	0.0	2184	0.0
2009	0	0.0	0.0	2184	0.0
2010	0	0.0	0.0	2184	0.0
2011	0	0.0	0.0	2184	0.0

LAKE TROUT

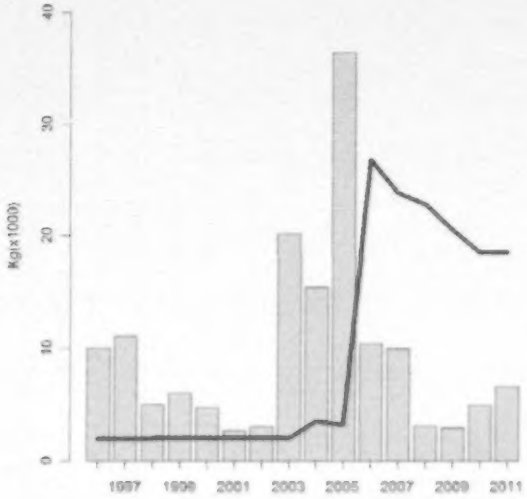

Figure 5-7.5. Lake trout quota (line) and harvest (bars) from management area 5-7.

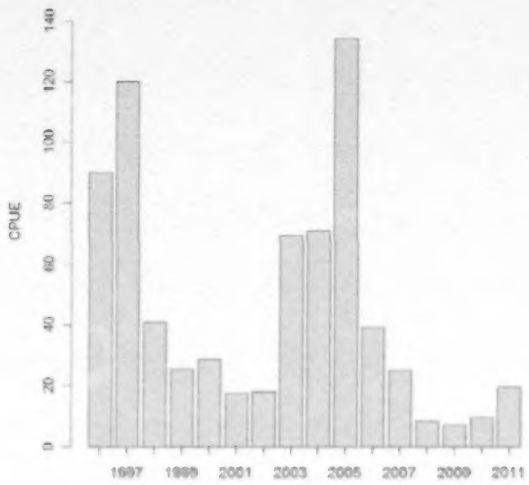

Figure 5-7.6. Lake trout gill net CPUE (kg/km) for management area 5-7.

Table 5-7.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 5-7, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	20	10.1	1418	1.4
1995	222	11.6	1421	15.6
1996	10019	89.9	1921	521.6
1997	11080	119.9	1921	576.8
1998	5004	40.9	1976	253.2
1999	6006	25.5	1976	303.9
2000	4747	28.5	1976	240.2
2001	2685	17.6	1976	135.8
2002	3043	17.9	1976	154.0
2003	20190	69.2	1976	1021.7
2004	15410	70.8	3462	445.1
2005	36442	134.4	3142	1159.8
2006	10441	39.0	26782	38.9
2007	9980	25.1	23782	41.9
2008	3086	8.4	22782	13.5
2009	2926	7.0	20504	14.2
2010	4958	9.7	18454	26.8
2011	6642	19.4	18454	35.9

WALLEYE

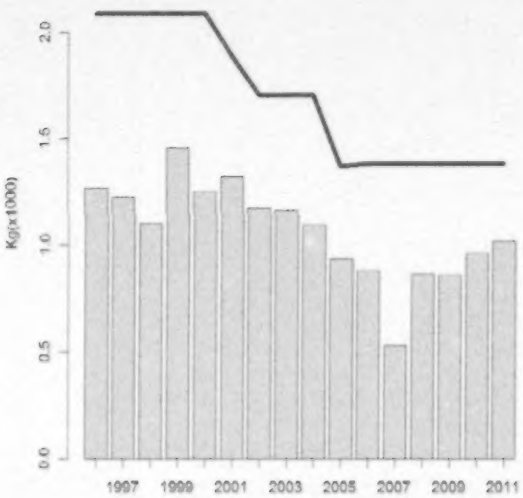

Figure 5-7.7. Walleye quota (line) and harvest (bars) from management area 5-7.

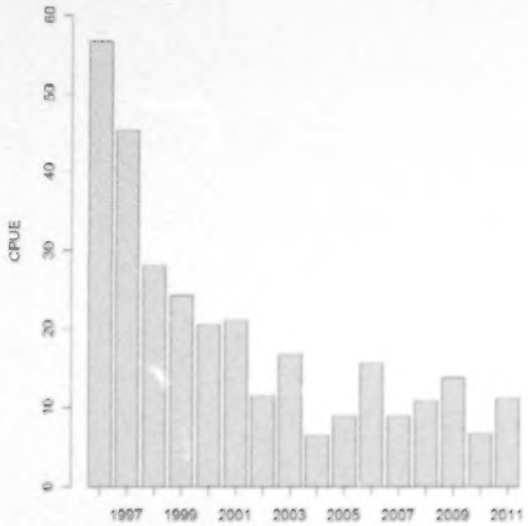

Figure 5-7.8. Walleye gill net CPUE (kg/km) for management area 5-7.

Table 5-7.5. Walleye harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-7, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	896	17.3	51.8	2040	43.9
1995	541	4.6	117.7	2090	25.9
1996	1265	14.6	56.8	2090	60.5
1997	1222	23.1	45.3	2090	58.4
1998	1100	38.6	28.1	2090	52.6
1999	1455	59.5	24.3	2090	69.6
2000	1251	57.0	20.6	2090	59.8
2001	1319	60.0	21.1	1885	70.0
2002	1172	87.7	11.5	1701	68.9
2003	1162	62.8	16.7	1701	68.3
2004	1098	139.6	6.4	1701	64.5
2005	936	91.6	8.9	1370	68.3
2006	882	54.3	15.6	1382	63.8
2007	528	52.4	8.9	1382	38.2
2008	866	71.4	10.9	1382	62.6
2009	862	60.8	13.8	1382	62.4
2010	964	122.6	6.8	1382	69.7
2011	1018	84.6	11.2	1382	73.6

LAKE HERRING

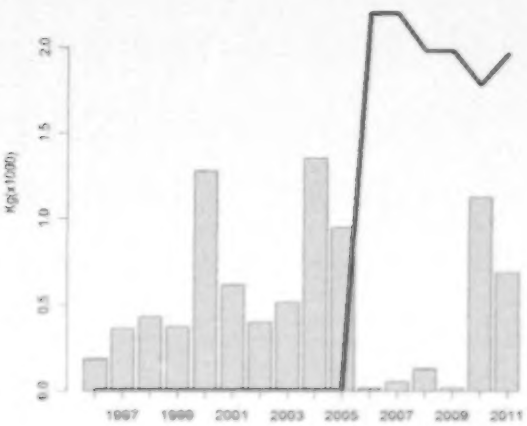

Figure 5-7.9. Lake herring quota (line) and harvest (bars) from management area 5-7.

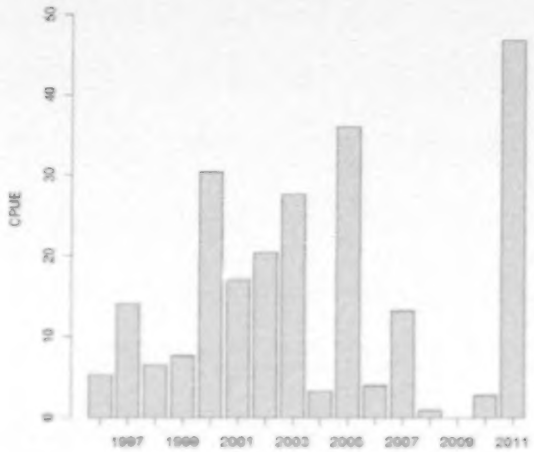

Figure 5-7.10. Lake herring gill net CPUE (kg/km) for management area 5-7. Effort used to calculate CPUE was Lake whitefish effort that caught lake herring

Table 5-7.6. Cisco harvest, effort, CPUE and quota data from gill nets in quota management area 5-7, 1994 to 2011. Effort used to calculate CPUE was lake whitefish effort that caught lake herring.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	325	0.0	0.0	–	–
1995	379	32.8	11.5	–	–
1996	186	32.8	5.3	–	–
1997	365	25.7	14.1	–	–
1998	430	10.4	6.5	–	–
1999	374	27.8	7.6	–	–
2000	1276	40.1	30.4	–	–
2001	619	29.8	17.1	–	–
2002	401	16.1	20.5	–	–
2003	517	17.0	27.8	–	–
2004	1351	16.0	3.3	–	–
2005	949	23.5	36.1	–	–
2006	15	3.8	3.9	2200	0.7
2007	53	1.8	13.4	2200	2.4
2008	129	5.1	0.8	1980	6.5
2009	17	0.0	0.0	1980	0.8
2010	1126	28.4	2.7	1782	63.2
2011	692	10.6	46.8	1960	35.3

MANAGEMENT AREA 5-8

Table 5-8.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-8, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	0	–	0
Lake Herring	0	0	50	0.0	0
Deepwater Chub	0	0	4,996	0.0	0
Lake Trout	17,209	17,209	11,542	149.1	17,073
Lake Whitefish	65,081	64,899	48,901	132.7	191,725
Northern Pike	217	217	0	–	258
Walleye	124	124	0	–	761
Yellow Perch	24	24	1,134	2.1	119
Sub-Total	82,655	82,473	66,623		209,936
Total	82,655	82,473	66,623		209,936

LAKE WHITEFISH

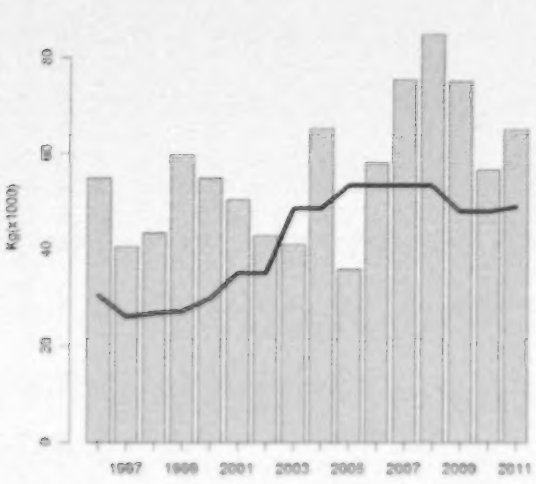

Figure 5-8.1. Lake whitefish quota (line) and harvest (bars) from management area 5-8.

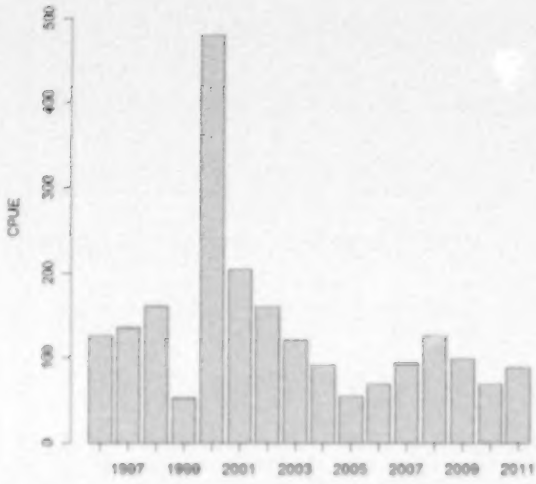

Figure 5-8.2. Lake whitefish gill net CPUE (kg/km) for management area 5-8.

Table 5-8.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-8, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	15928	88.9	179.3	18504	86.0
1995	34871	398.1	87.4	18504	188.4
1996	54844	327.2	126.0	30509	179.7
1997	40676	231.9	134.9	25966	156.6
1998	43513	271.2	160.5	26628	163.4
1999	59669	36.1	52.6	27091	220.2
2000	54954	54.5	481.6	29800	184.4
2001	50498	227.5	204.3	34980	144.3
2002	42887	268.1	159.9	34980	122.6
2003	41111	302.1	120.3	48478	84.8
2004	65347	719.9	90.7	48478	134.7
2005	35934	654.8	54.9	53326	67.3
2006	57990	835.0	69.4	53326	108.7
2007	75516	806.4	93.2	53326	141.6
2008	84975	675.1	125.8	53326	159.3
2009	75099	758.2	99.0	47993	156.4
2010	56519	812.7	69.5	47993	117.7
2011	65081	737.0	88.0	48901	133.0

CHUB

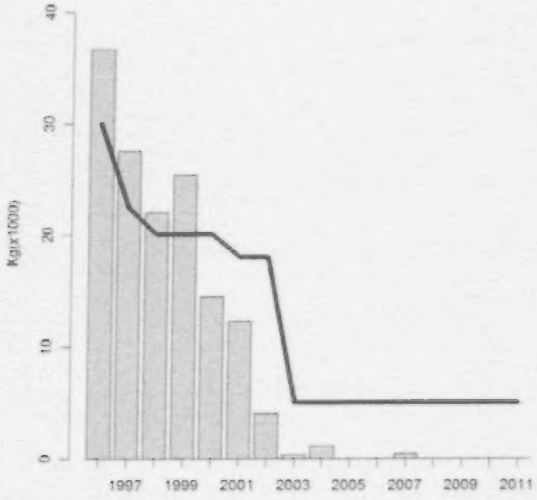

Figure 5-8.3. Chub quota (line) and harvest (bars) from management area 5-8.

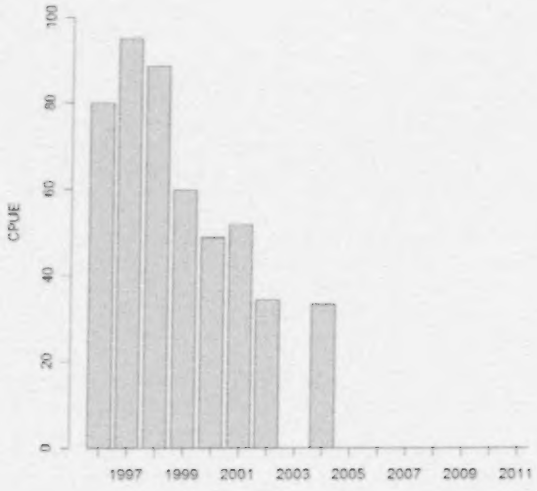

Figure 5-8.4. Chub gill net CPUE (kg/km) for management area 5-8.

Table 5-8.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-8, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	17717	170.0	106.7	18168	97.5
1995	22099	254.7	78.4	19985	110.5
1996	36721	262.7	79.9	29956	122.5
1997	27533	263.2	95.0	22493	122.4
1998	21981	244.8	88.4	19985	109.9
1999	25351	279.8	59.7	19985	126.8
2000	14458	270.8	48.7	19985	72.3
2001	12271	218.0	51.6	17986	68.2
2002	4053	141.4	34.2	17986	22.5
2003	359	0.0	0.0	4996	7.2
2004	1127	12.8	33.1	4996	22.5
2005	0	0.0	0.0	4996	0.0
2006	0	0.0	0.0	4996	0.0
2007	443	0.0	0.0	4996	8.8
2008	0	0.0	0.0	4996	0.0
2009	0	0.0	0.0	4996	0.0
2010	0	0.0	0.0	4996	0.0
2011	0	0.0	0.0	4996	0.0

LAKE TROUT

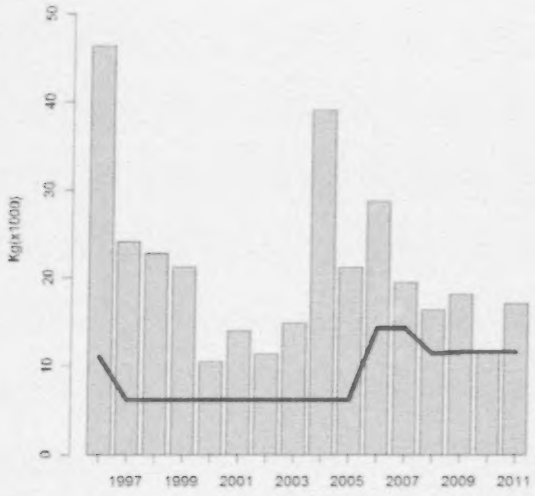

Figure 5-8.5. Lake trout quota (line) and harvest (bars) from management area 5-8.

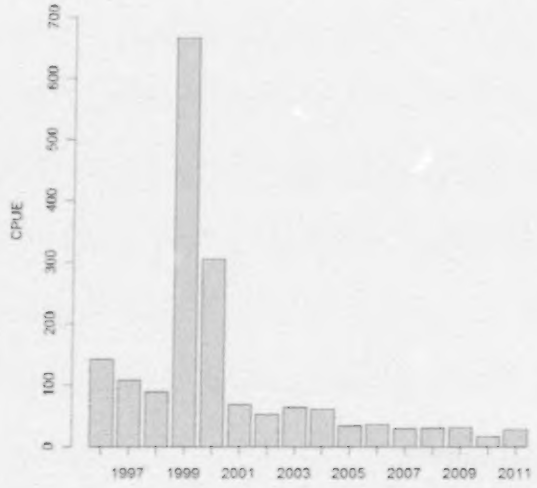

Figure 5-8.6. Lake trout gill net CPUE (kg/km) for management area 5-8.

Table 5-8.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 5-8, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	6207	74.0	6603	94.0
1995	42789	110.7	6161	694.5
1996	46396	142.2	11106	417.7
1997	24083	107.9	6161	390.9
1998	22755	89.7	6161	369.3
1999	21217	666.8	6161	344.3
2000	10525	305.3	6161	170.8
2001	14064	69.0	6161	228.2
2002	11409	52.4	6161	185.1
2003	14852	64.0	6161	241.0
2004	39038	61.2	6161	633.6
2005	21187	34.1	6161	343.8
2006	28692	36.4	14250	201.3
2007	19506	28.9	14250	136.8
2008	16421	30.5	11400	144.0
2009	18140	32.0	11543	157.1
2010	11403	16.7	11542	98.7
2011	17209	28.6	11542	149.0

MANAGEMENT AREA 5-9

Table 5-9.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 5-9, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	38	38	0	–	0
Lake Herring	3	3	550	0.5	0
Deepwater Chub	0	0	2,490	0.0	0
Lake Trout	2,630	2,624	7,545	34.8	2,603
Lake Whitefish	78,433	76,894	108,266	71.0	227,160
Northern Pike	0	0	0	–	0
Walleye	29	29	820	3.5	179
Yellow Perch	0	0	3,409	0.0	0
Sub-Total	81,133	79,588	123,080		229,942
Burbot	359	0			0
Chinook Salmon	21	0			0
Common Carp	1,304	0			0
Freshwater Drum	7	0			0
Gizzard Shad	109	0			0
Lake Sturgeon	4,455	0			0
Rainbow Trout	88	51			0
Round Whitefish	40	40			0
Suckers	1,819	0			0
White Bass	2	0			0
Total	89,336	79,679	123,080		229,942

LAKE WHITEFISH

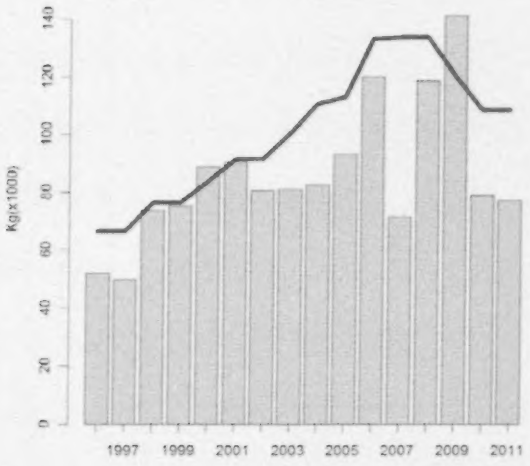

Figure 5-9.1. Lake whitefish quota (line) and harvest (bars) from management area 5-9.

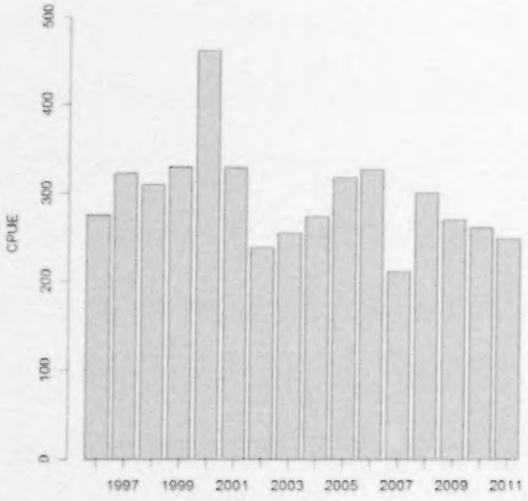

Figure 5-9.2. Lake whitefish gill net CPUE (kg/km) for management area 5-9.

Table 5-9.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-9, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	32652	258.1	125.8	60217	54.2
1995	57290	206.7	275.1	60217	95.1
1996	52019	186.4	274.7	66239	78.5
1997	49834	154.4	322.6	66239	75.2
1998	73677	237.7	309.9	76267	96.6
1999	75333	228.9	329.1	76267	98.7
2000	88659	192.0	461.7	83493	106.1
2001	90477	275.5	328.5	91292	99.1
2002	80381	337.2	238.3	91292	88.0
2003	80898	317.7	254.7	100421	80.5
2004	82590	302.7	273.2	110463	74.7
2005	93244	295.0	317.3	112884	82.6
2006	119871	367.5	326.5	132797	90.2
2007	71389	338.7	211.2	133660	53.4
2008	118548	395.2	300.0	133660	88.6
2009	141308	526.1	269.4	120294	117.4
2010	78765	302.4	260.5	108265	72.7
2011	76894	309.1	248.7	108266	71.0

CHUB

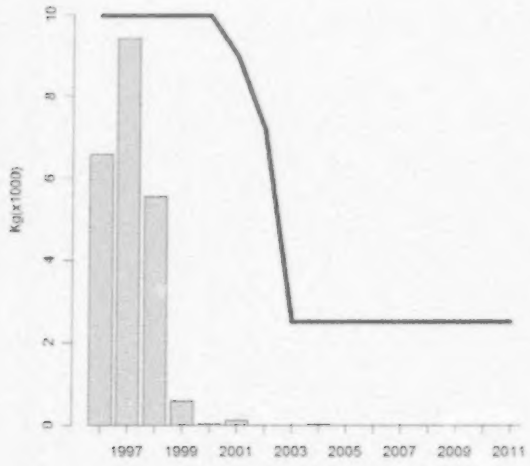

Figure 5-9.3. Chub quota (line) and harvest (bars) from management area 5-9.

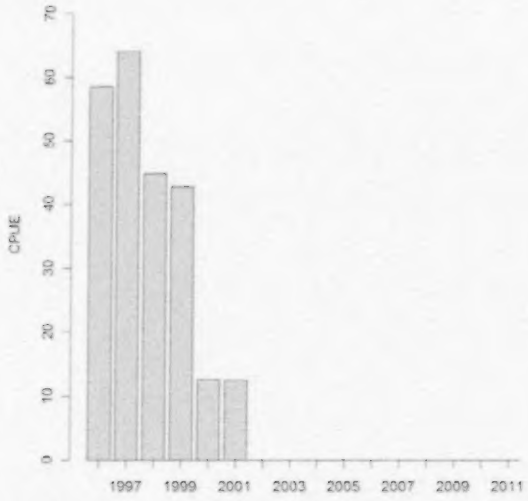

Figure 5-9.4. Chub gill net CPUE (kg/km) for management area 5-9.

Table 5-9.3. Deepwater chub harvest, targeted effort, CPUE and quota data from gill nets in quota management area 5-9, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	6033	141.7	42.5	9958	60.5
1995	8008	133.5	59.7	9958	80.4
1996	6587	109.2	58.5	9958	66.1
1997	9411	146.7	64.1	9958	94.5
1998	5556	119.3	44.8	9958	55.7
1999	578	13.5	42.8	9958	5.8
2000	40	3.2	12.5	9958	0.4
2001	119	9.6	12.4	8962	1.3
2002	3	0.0	0.0	7170	0.0
2003	0	0.0	0.0	2489	0.0
2004	17	0.0	0.0	2490	0.6
2005	0	0.0	0.0	2489	0.0
2006	0	0.0	0.0	2489	0.0
2007	0	0.0	0.0	2490	0.0
2008	0	0.0	0.0	2490	0.0
2009	0	0.0	0.0	2490	0.0
2010	0	0.0	0.0	2490	0.0
2011	0	0.0	0.0	2490	0.0

LAKE TROUT

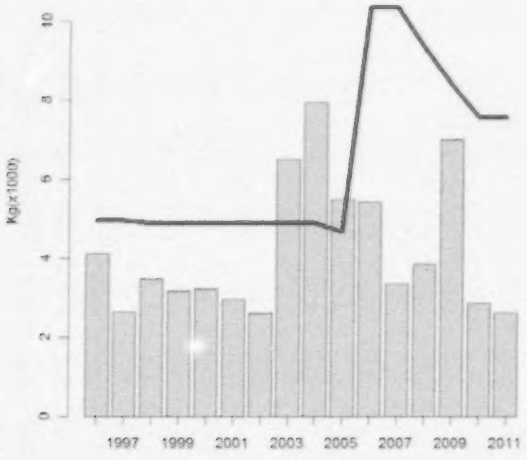

Figure 5-9.5. Lake trout quota (line) and harvest (bars) from management area 5-9.

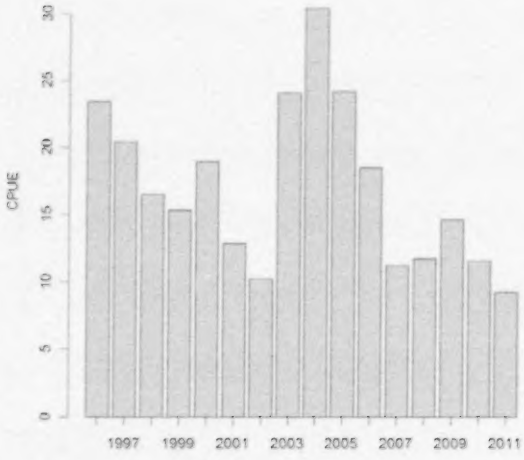

Figure 5-9.6. Lake trout gill net CPUE (kg/km) for management area 5-9.

Table 5-9.4. Lake trout harvest, CPUE and quota data from gill nets in quota management area 5-9, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	3426	19.2	4937	69.4
1995	4991	32.8	4937	101.1
1996	4114	23.4	4937	83.3
1997	2644	20.4	4937	53.5
1998	3468	16.5	4882	71.0
1999	3158	15.3	4882	64.6
2000	3209	18.9	4882	65.7
2001	2961	12.8	4882	60.6
2002	2614	10.2	4882	53.5
2003	6492	24.0	4882	132.9
2004	7937	30.3	4882	162.5
2005	5478	24.1	4660	117.5
2006	5414	18.5	10349	52.3
2007	3347	11.2	10349	32.3
2008	3837	11.7	9315	41.1
2009	6988	14.5	8384	83.3
2010	2854	11.5	7545	37.8
2011	2623	9.2	7545	34.7

NORTH CHANNEL

Table 6.1. Catch, harvest, and quota data for all commercially caught fish species in the North Channel of Lake Huron, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	5	0	8,252	0.0	0
Lake Herring	7,977	7,284	23,892	30.5	5,621
Deepwater Chub	0	0	0	–	0
Lake Trout	23,410	22,941	50,179	45.7	23,771
Lake Whitefish	182,684	181,512	372,859	48.7	388,161
Northern Pike	344	254	9,076	2.8	409
Walleye	7,644	7,571	13,555	55.9	38,391
Yellow Perch	94	93	25,734	0.4	443
Sub-Total	222,158	219,656	503,547		456,796
Alewife	0	0			0
Bowfin	4	0			0
Brown Trout	1	0			0
Burbot	4,991	14			0
Chinook Salmon	1,208	114			0
Common Carp	448	44			19
Freshwater Drum	6	0			0
Gizzard Shad	0	0			0
Lake Sturgeon	3,051	0			0
Longnose Gar	1	1			0
Pacific Salmon	10	0			0
Pink Salmon	3,674	212			0
Rainbow Smelt	66	45			0
Rainbow Trout	413	69			0
Redhorse Suckers	791	0			0
Rock Bass	20	0			0
Round Whitefish	1,886	1,277			1,436
Sea Lamprey	247	247			0
Smallmouth Bass	21	0			0
Suckers	11,042	276			0
White Bass	197	0			0
White Sucker	703	56			0
Total	250,938	222,012	503,547		458,251

MANAGEMENT AREA 6-1

Table 6-1.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 6-1, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	5	0	7,798	0.0	0
Lake Herring	7,977	7,284	23,592	30.9	5,621
Deepwater Chub	0	0	0	–	0
Lake Trout	23,018	22,549	47,249	47.7	23,365
Lake Whitefish	179,793	178,621	367,082	48.7	381,978
Northern Pike	344	254	8,612	2.9	409
Walleye	7,644	7,571	13,555	55.9	38,391
Yellow Perch	94	93	24,983	0.4	443
Sub-Total	218,875	216,373	492,871		450,207
Alewife	0	0			0
Bowfin	4	0			0
Brown Trout	1	0			0
Burbot	4,991	14			0
Chinook Salmon	1,208	114			0
Common Carp	448	44			19
Freshwater Drum	6	0			0
Gizzard Shad	0	0			0
Lake Sturgeon	3,051	0			0
Longnose Gar	1	1			0
Pacific Salmon	10	0			0
Pink Salmon	3,674	212			0
Rainbow Smelt	66	45			0
Rainbow Trout	413	69			0
Redhorse Suckers	791	0			0
Rock Bass	20	0			0
Round Whitefish	1,886	1,277			1,436
Sea Lamprey	247	247			0
Smallmouth Bass	21	0			0
Suckers	11,042	276			0
White Bass	197	0			0
White Sucker	703	56			0
Total	247,655	218,728	492,871		451,661

LAKE WHITEFISH

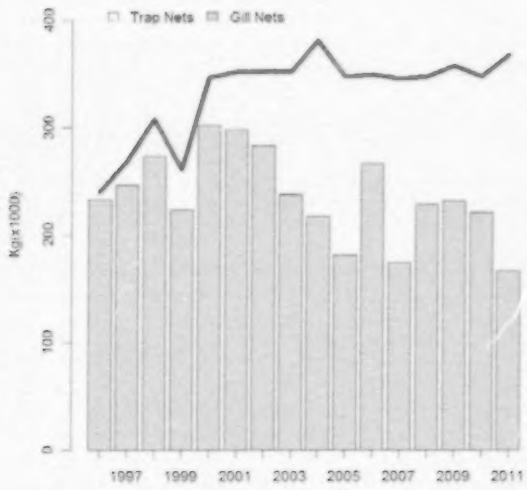

Figure 6-1.1. Lake whitefish quota (line) and harvest (bars) from management area 6-1.

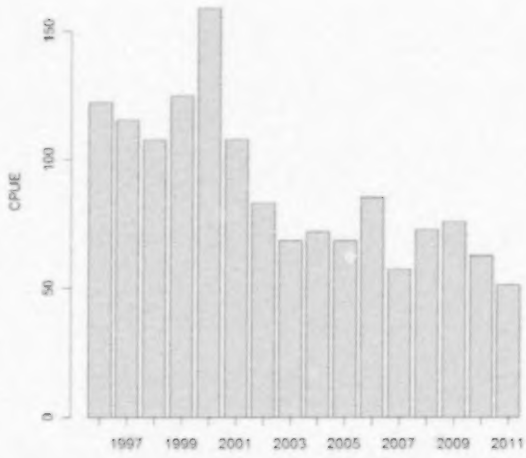

Figure 6-1.2. Lake whitefish gill net CPUE (kg/km) for management area 6-1.

Table 6-1.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 6-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	154767	2383.1	64.6	169065	91.5
1995	198271	1953.2	100.5	205027	96.7
1996	232423	1894.8	122.2	239665	96.9
1997	246485	2127.8	115.5	268173	91.9
1998	273681	2532.4	107.6	307458	89.0
1999	223238	1783.8	124.7	260489	85.6
2000	302056	1628.4	159.0	346457	87.1
2001	298124	2439.3	107.6	351300	84.8
2002	282924	3244.2	82.8	351300	80.5
2003	237747	2880.4	68.4	351300	67.6
2004	217143	2834.5	71.8	381101	56.9
2005	181050	2651.7	68.3	347082	52.1
2006	265888	3126.0	85.2	349239	76.1
2007	173806	2936.8	57.3	345631	50.2
2008	228119	3112.5	72.8	347082	65.7
2009	231316	2958.9	75.6	357082	64.7
2010	220434	3513.6	62.5	347082	63.5
2011	178621	3224.1	51.3	367082	48.6

YELLOW PERCH

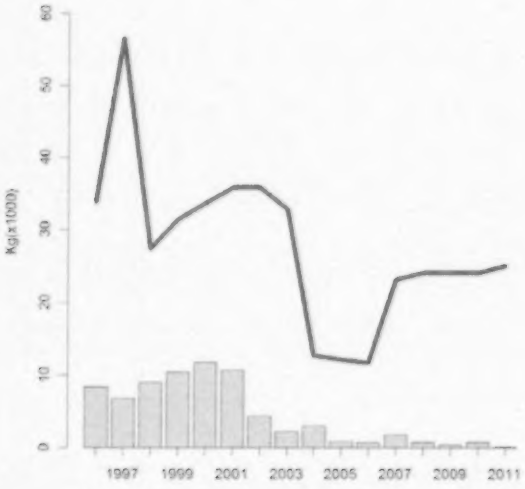

Figure 6-1.3. Yellow perch quota (line) and harvest (bars) from management area 6-1.

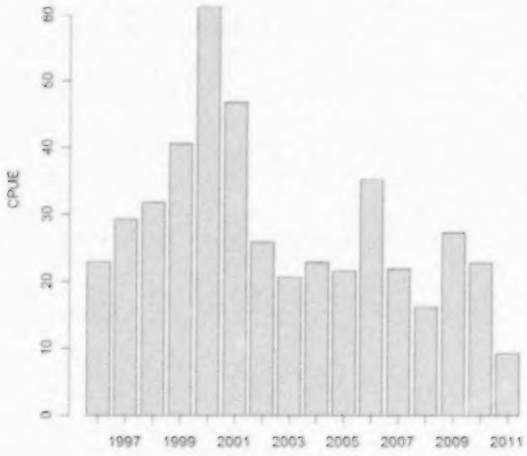

Figure 6-1.4. Yellow perch gill net CPUE (kg/km) for management area 6-1.

Table 6-1.3. Yellow perch harvest, targeted effort, CPUE and quota data from gill nets in quota management area 6-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	17201	674.8	24.8	36773	46.7
1995	14469	541.3	26.7	35155	41.1
1996	8276	358.4	22.9	33802	24.4
1997	6711	227.3	29.2	56498	11.8
1998	8975	279.7	31.8	27319	32.8
1999	10337	254.4	40.6	31424	32.8
2000	11710	196.2	61.3	33658	34.7
2001	10665	216.6	46.8	35750	29.8
2002	4350	167.3	25.8	35750	12.1
2003	2171	103.5	20.6	32837	6.6
2004	2923	112.0	22.8	12651	23.1
2005	867	40.1	21.5	12148	7.1
2006	656	16.7	35.3	11617	5.6
2007	1762	76.3	21.9	23084	7.6
2008	701	33.1	16.2	23983	2.9
2009	386	13.2	27.4	23983	1.6
2010	765	31.6	22.8	23983	3.1
2011	92	10.0	9.2	24983	0.3

WALLEYE

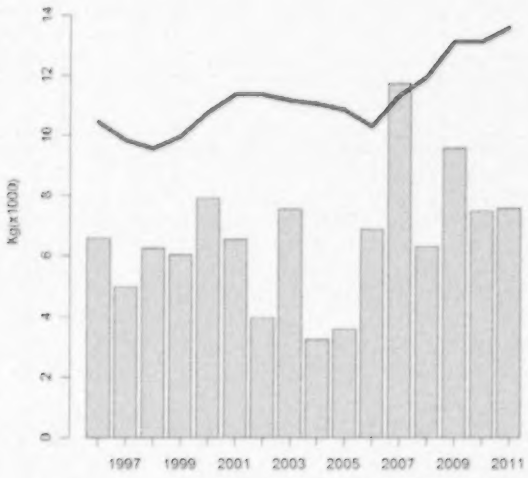

Figure 6-1.5. Walleye quota (line) and harvest (bars) from management area 6-1.

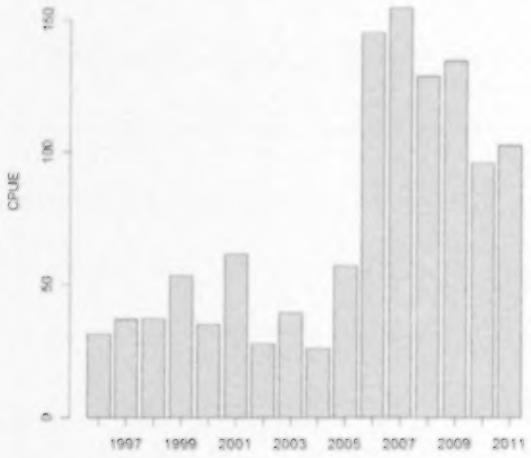

Figure 6-1.6. Walleye gill net CPUE (kg/km) for management area 6-1.

Table 6-1.4. Walleye harvest, targeted effort, CPUE and quota data from gill nets in quota management area 6-1, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	7830	222.5	29.8	16100	48.6
1995	8323	217.6	34.0	10385	80.1
1996	6594	170.7	31.3	10431	63.2
1997	4961	114.0	36.9	9818	50.5
1998	6255	128.9	37.2	9524	65.6
1999	6022	94.7	53.4	9924	60.6
2000	7906	45.9	34.9	10724	73.7
2001	6539	29.2	61.6	11329	57.7
2002	3951	39.4	27.5	11329	34.8
2003	7546	30.1	39.6	11124	67.8
2004	3239	31.0	26.2	11011	29.4
2005	3569	31.3	57.3	10821	32.9
2006	6863	34.1	144.9	10269	66.8
2007	11715	40.5	155.0	11296	103.7
2008	6303	22.5	128.9	11903	52.9
2009	9565	42.7	134.6	13091	73.0
2010	7470	37.4	95.8	13091	57.0
2011	7571	43.6	102.6	13555	55.8

LAKE TROUT

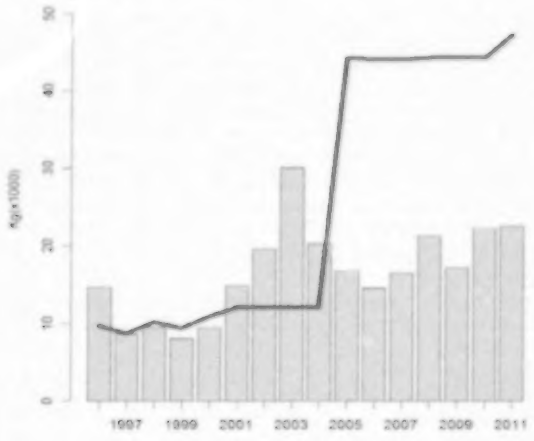

Figure 6-1.7. Lake trout quota (line) and harvest (bars) from management area 6-1.

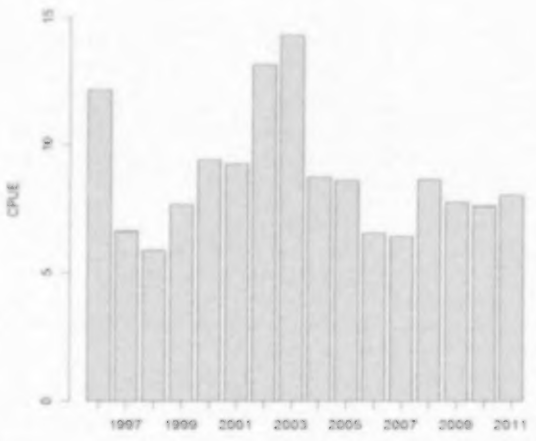

Figure 6-1.8. Lake trout gill net CPUE (kg/km) for management area 6-1.

Table 6-1.5. Lake trout harvest, CPUE and quota data from gill nets in quota management area 6-1, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	9211	5.8	7714	119.4
1995	13537	10.1	9195	147.2
1996	14609	12.1	9699	150.6
1997	8647	6.6	8628	100.2
1998	9504	5.8	10102	94.0
1999	8045	7.6	9387	85.7
2000	9450	9.3	10787	87.6
2001	14811	9.2	12000	123.4
2002	19551	13.1	11958	163.5
2003	30053	14.2	11958	251.3
2004	20219	8.7	11958	169.0
2005	16784	8.5	44296	37.8
2006	14491	6.5	44068	32.8
2007	16493	6.4	44068	37.4
2008	21262	8.6	44296	48.0
2009	17128	7.7	44296	38.6
2010	22248	7.5	44296	50.2
2011	22549	8.0	47249	47.7

LAKE HERRING

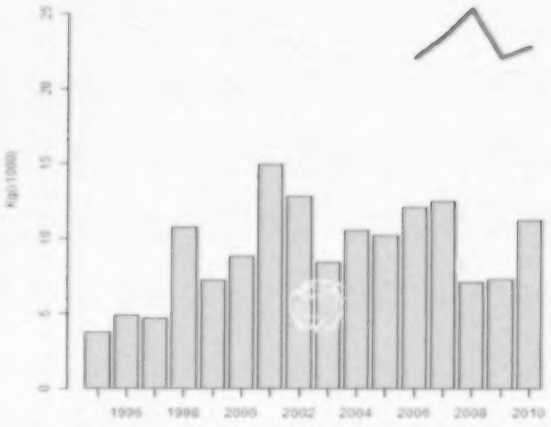

Figure 6-1.11. Lake herring quota (line) and harvest (bars) from management area 6-1.

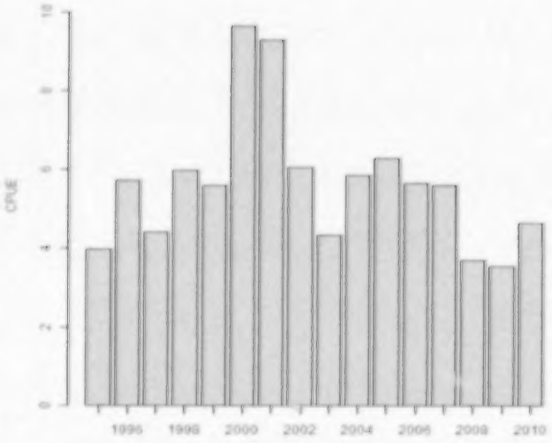

Figure 6-1.12. Lake herring gill net CPUE (kg/km) for management area 6-1.

Table 6-1.8. Lake herring harvest, effort, CPUE and quota data from gill nets in quota management area 6-1, 1994 to 2011. Effort used to calculate CPUE was lake whitefish effort that caught Lake herring.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	5232	964.9	4.2	--	--
1995	3780	604.8	3.9	--	--
1996	4883	702.8	6.0	--	--
1997	4717	769.7	5.5	--	--
1998	10762	1362.3	6.8	--	--
1999	7215	914.9	7.7	--	--
2000	8796	824.1	8.3	--	--
2001	14900	1398.5	8.9	--	--
2002	12785	1701.0	5.9	--	--
2003	8396	1519.0	4.9	--	--
2004	10504	1464.9	7.4	--	--
2005	10181	1520.1	8.0	--	--
2006	11738	2058.8	6.9	25300	46.3
2007	12484	2059.5	6.5	25300	49.3
2008	7093	1708.5	4.7	25300	28.0
2009	7256	1798.5	4.2	25300	28.6
2010	11201	2184.6	5.4	22770	49.1
2011	7284	1943.5	3.7	23592	30.8

MANAGEMENT AREA 6-3

Table 6-3.1. Catch, harvest, and quota data for all commercially caught fish species for quota management area 6-3, 2011.

Species	Catch (kg)	Harvest (kg)	Quota (kg)	% Quota Taken	Value ($)
Channel Catfish	0	0	454	0.0	0
Lake Herring	0	0	300	0.0	0
Deepwater Chub	0	0	0	–	0
Lake Trout	392	392	2,930	13.4	406
Lake Whitefish	2,891	2,891	5,777	50.0	6,183
Northern Pike	0	0	464	0.0	0
Walleye	0	0	0	–	0
Yellow Perch	0	0	751	0.0	0
Sub-Total	3,283	3,283	10,676		6,589
Total	3,283	3,283	10,676		6,589

LAKE WHITEFISH

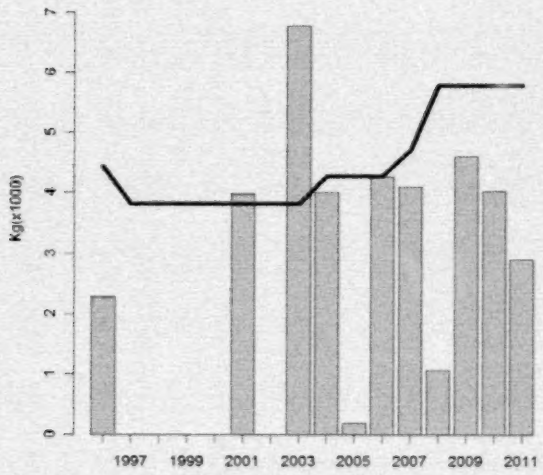

Figure 6-3.1. Lake whitefish quota (line) and harvest (bars) from management area 6-3.

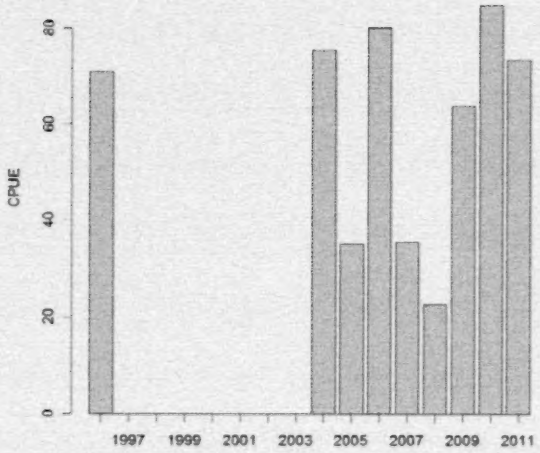

Figure 6-3.2. Lake whitefish gill net CPUE (kg/km) for management area 6-3.

Table 6-3.2. Lake whitefish harvest, targeted effort, CPUE and quota data from gill nets in quota management area 6-3, 1994 to 2011.

Year	Harvest (kg)	Effort (km)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	2266	18.0	125.0	4888	46.3
1995	764	7.6	100.6	4888	15.6
1996	2270	21.4	71.3	4888	46.4
1997	0	0.0	0.0	4888	0.0
1998	0	0.0	0.0	4888	0.0
1999	0	0.0	0.0	4888	0.0
2000	0	0.0	0.0	4888	0.0
2001	3980	0.0	0.0	4888	81.4
2002	0	0.0	0.0	4888	0.0
2003	6782	0.0	0.0	4888	138.7
2004	4019	53.2	75.5	4774	84.2
2005	192	5.4	35.7	4888	3.9
2006	4267	53.2	80.2	4888	87.2
2007	4103	115.5	35.5	5377	76.3
2008	1064	47.0	22.6	5777	18.4
2009	4603	72.0	63.9	5777	79.6
2010	4023	47.3	85.0	5777	69.6
2011	2891	39.3	73.5	5777	50.0

LAKE TROUT

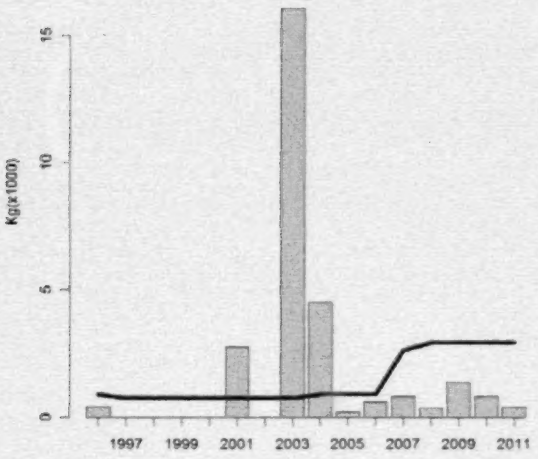

Figure 6-3.3. Lake trout quota (line) and harvest (bars) from management area 6-3.

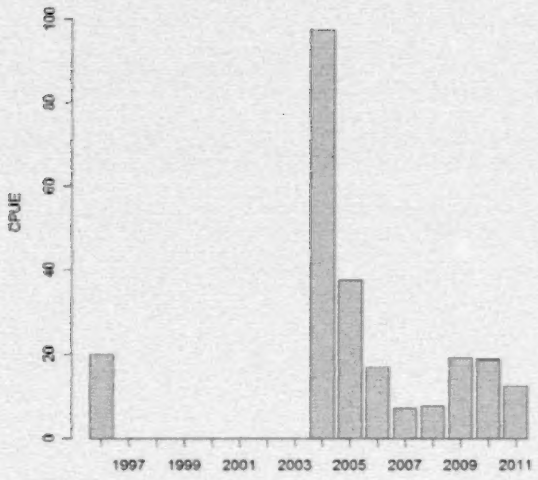

Figure 6-3.4. Lake trout gill net CPUE (kg/km) for management area 6-3.

Table 6-3.3. Lake trout harvest, CPUE and quota data from gill nets in quota management area 6-3, 1994 to 2011. Effort used to calculate CPUE was lake whitefish targeted effort that incidentally caught lake trout.

Year	Harvest (kg)	CPUE (kg/km)	Quota (kg)	% Quota Taken
1994	259	18.8	888	29.1
1995	18	16.9	1032	1.8
1996	428	19.9	1032	41.4
1997	0	0.0	1032	0.0
1998	0	0.0	1032	0.0
1999	0	0.0	1032	0.0
2000	0	0.0	1032	0.0
2001	2756	0.0	1032	267.1
2002	0	0.0	1032	0.0
2003	16092	0.0	1032	1559.3
2004	4495	97.5	1032	435.6
2005	207	37.7	1032	20.0
2006	596	16.8	1032	57.7
2007	822	7.2	3000	27.4
2008	363	7.7	2930	12.3
2009	1363	19.1	2930	46.5
2010	819	18.9	2930	27.9
2011	391	12.4	2930	13.3